Vol.6 No.2 March 1997

FREE

COMPUTER PLAYER!

CANADA COMPUTES! B.C. EDITION

Tech tales from the global village

Handheld PC's: The last chance

The taxing season

Final chance on the Gaming Contest inside

http://www.canadacomputes.com/

FLAT-RATE INTERNET ACCESS $19.50

Internet Gateway Corp.

http://www.intergate.bc.ca

Your Gateway to the WORLD

- No Setup Fee
- No Hourly Charges
- No Prime-time Restrictions
- Free Software Kit
- Free Technical Support
- Over 800 33.6Kbps Lines

Included

Beginner's Guide to the Internet

Internet Access Insta-Kit

Mac OS

Microsoft Windows Compatible

Microsoft Windows 95

Call Now: 654-6088

VISA MasterCard

* Some Restrictions May Apply.

Need On-Site Service? Call Us!

AXION INTERNET Authorized Dealer Come To See Us!

NU-AGE COMPUTER PLUS

Affordable Computer & Communication Products

COMAX IBM 6x86 166+MHz PCI System

Acer Motherboard w/Triton chipset
16MB of EDO RAM, 256 PB cache
2x16550 UART serial and 1 parallel ports
Mini-tower 15" w/230 watt P/S
Acer 104 enhanced keyboard
3.5" 1.44MB floppy drive
Acer 14" L/R N/I monitor
W.D. 1.2GB EIDE hard drive
S3 PCI bus video card w/1MB DRAM
Acer 8X Enhanced IDE CD-ROM Drive
Acer 16 bit sound card, speakers
Acer 33.6K Internal Voice Fax/Modem
2 button serial mouse

$1588

Pentium® 100/120/133 starter system

Asus Triton motherboard VX chipset, PCI Bus
16MB EDO RAM exp. to 128MB, 256 PB cache
Panasonic 1.44 MB floppy drive
32 bit EIDE and floppy controller
2x16550 UART serial & 1 parallel ports
Mini-tower 15" with 230 watt P/S
W.D. 1.2GB EIDE hard drive
104 Key keyboard
Acer 14" L/R N'I monitor
Cirrus Logic 64 bit 1MB RAM video card
Nu-age 2 button serial mouse

$1160/1180/1228

Pentium® 166/200 Professional System

Asus Triton Motherboard HX chipset, Pci Bus
32MB EDO RAM, exp. to 128MB, 256 PB cache
Panasonic 1.44MB floppy drive
32 bit EIDE and Floppy controller
2x16550 UART serial & 1 parallel ports
Mid tower 19" with 230 Watt P/S
W.D. 2.1GB EIDE hard drive
104 Key keyboard Acer 14" L/R N'I monitor
ATI 3D 64 bit 2MB RAM video card
Nu-age 2 button serial mouse
For MMX 166/200, add $198/225

$1698/1998

Pentium® Pro 180/200

Asus Pentium Pro Motherboard, PCI
32MB EDO RAM, exp. to 128MB, 256 PB cache
Panasonic 1.44MB floppy drive
32 bit EIDE and Floppy controller
2x16550 UART serial & 1 parallel ports
ATX mini-tower w/CSA P/S
W.D. 2.1GB EIDE hard drive
104 Key keyboard
Acer 15" L/R N/I monitor
ATI 3D Pro turbo 4MB SG RAM
Microsoft J2 button serial mouse

$2780/2990

Monthly Special

WD 1.6GD EIDE HD **$285.00**

Computer Problems

Upgrade 386's, 486's, Monitor Repair, Hard Drive Upgrades

Networking Products

LANtastic AI version 7.0	$115
LANtastic Starter kit 7.0	$315
Windows Workgroup	$169
Windows Workgroup ADD-ON	$65
Novell Netware 3.12 (5 user)	$960
Novell Netware 3.12 (25user)	$3299
Novell Netware 4.1(25 user)	$3299
NE2000 Ethernet network card	$69
CNET Ethernet card	$70
Compex 16 bit Arcnet card	$89
Intel Ethernet Pro 16 bit	$169
D-link Ethernet pocket adaptor	$245
Xircom Ethernet pocket adaptor	call
D-link Ethernet concentrator	$310
Arcnet 93 Ohm Terminator	$5
Ethernet 50 Ohm Terminator	$5

Notebook

ACERNOTE NOTEBOOK $2,199
Pentium 100, 8MB RAM EDO, 810MB Hard Drive
10.4" dual scan screen, 256K Cache
PCMCIA slot with Windows 95

MEGAHERTZ PCMCIA MODEM 28.8 ..... $259

BACKPACK EXTERNAL 8X CDROM $459

BACKPACK 800MB TAPE DRIVE EXT $199

NEC VERSA 6030HNOTEBOOK $5,280
Pentium 133, 16MB RAM EDO, 1.35GB Hard Drive
Active Matrix screen, 256K Cache, PCMCIA slot
with CD ROM, sound card, Windows 95

TOSHIBA 730CDT NOTEBOOK $8,900
Pentium 150, 16MB RAM EDO, 2.02GB Hard Drive
12.1 Active Matrix screen, 256K Cache, PCMCIA slot
with 6x CD ROM, sound card, Windows 95

We support and service:

Novell Certified NetWare Engineer
Trained and tested to provide superior NetWare Support

3Com net Working Partners program
Networking Partner

We support and service:
Novell NetWare
Windows For Workgroups
LANtastic
Windows NT

We're Keeping Up with Your Networking Needs

MONITORS

ACER 14" N/I	$270
ACER 15" N/I DIGITAL	$420
ADI 4V LR, N/I .28	$460
ADI 17" 5V LR	$790
MITSUBISHI 15" HX	$599
MITSUBISHI 17" HX	$1239
NEC C 500 15"	$560
NEC M500 15"	$569
PROVIEW 14" N/I LR	$239
PROVIEW 15" N/I LR F/S	$320
SONY 15 SF 15" N/I	$660
SONY 17 SE2T 17" N/I LR	$1480

PRINTERS

CANON BJ 30 BUBBLE JET	$330
CANON BJC240 COLOR BUBBLE JET	$239
CANON BJC 4100 BUBBLE JET	$310
HP 820CXI INKJET COLOR	$529
HP 5L LASERJET	$549
HP 6P LASERJET	$990
HP LASERJET 5	$1800
HP LASERJET 6MP	$1280
OKIDATA OL600E LASER	$549
RAVEN 2405 24 PIN	$229
RAVEN 2467 24 PIN Wide/Quiet	$579

MODEMS

CARDINAL 33.6 INT. FAX/MODEM	$138
SUPRA 33.6 INT FAX MODEM	$138
U.S. ROBOTICS 33.6 SPORTSTER EXTERNAL	$215
U.S ROBOTICS 33.6 SPORTSTER INTERNAL	$199

FLOPPY DRIVES

1.2 MB FLOPPY DRIVE	$63
1.44 MB FLOPPY DRIVE	$32

VIDEO CARDS

TRIDENT 8900 SVGA 1MB	$69
ATI WINCHARGER 64D1MB	$90
ATI VIDEOBOOST 64D2MB	$119
ATI WINTURBO Mach 64 2MB VRAM	$319
ATI 3D EXPRESSION 2MB SDRAM	$169
ATI 3D PRO TURBO 4MB SGRAM	$290
DIAMOND STEALTH 64 PCI 2MB VRAM	$369

HARD DRIVES

QUANTUM 1.2 GB 12MS 128K CACHE	$280
QUANTUM 2.5 GB	$359
W.D. 850MB 10MS 64K CACHE	$219
W.D. 1.2GB 10MS 64K CACHE	$279
W.D. 1.6GB 10MS 64K CACHE	$319
W.D. 2.1GB EIDE	$349
W.D 2.5GB EIDE	$399
W.D. 3.1GB EIDE	$405
W.D. 4.0 GB EIDE	$550

RAM

1MB SIMM 70NS	call
4MB SIMM 70NS 30PIN	call
8MB SIMM 60NS 72PIN	call
16MB SIMM 60NS 72PIN	call

TAPE BACKUP

COLORADO 800MB TAPE BACKUP INT T1000	$169
CONNER 800MB TAPE BACKUP EXT	$265
CONNER 800MB TAPE BACKUP INT	$215
IOMEGA ZIP DRIVE EXT	$255
IOMEGA SCSI JAZ 1G EXT	$649

SOFTWARE

MICROSOFT WINDOWS 95 OEM (with system)	$149
WORDPERFECT 6.1 SUITE	$369
MICROSOFT WORKS FOR WINDOWS	$69
MICROSOFT PUBLISHER FOR WINDOWS	$158

Multi Media World

Acer 8X CD-ROM	$135	Acer SB16 Compatible	$39
Mitsumi 12x CD Rom	$155	Sound Blaster 16	$95
Mitsumi 8X CD Rom	$135	Phone Blaster 28.8	$329
Panasonic 12X CD Rom	$155	Creative AWE 32 PNP	$159
Toshiba 12X CD Rom	$159	Altec Lansing Speakers From	$99

M/S HOME CD ROM PACKAGE

MITSUMI 8x speed CD
SB16 bit Sound Card
M/S Encarta Package
2 Shielded Speakers

PC Multimedia PC

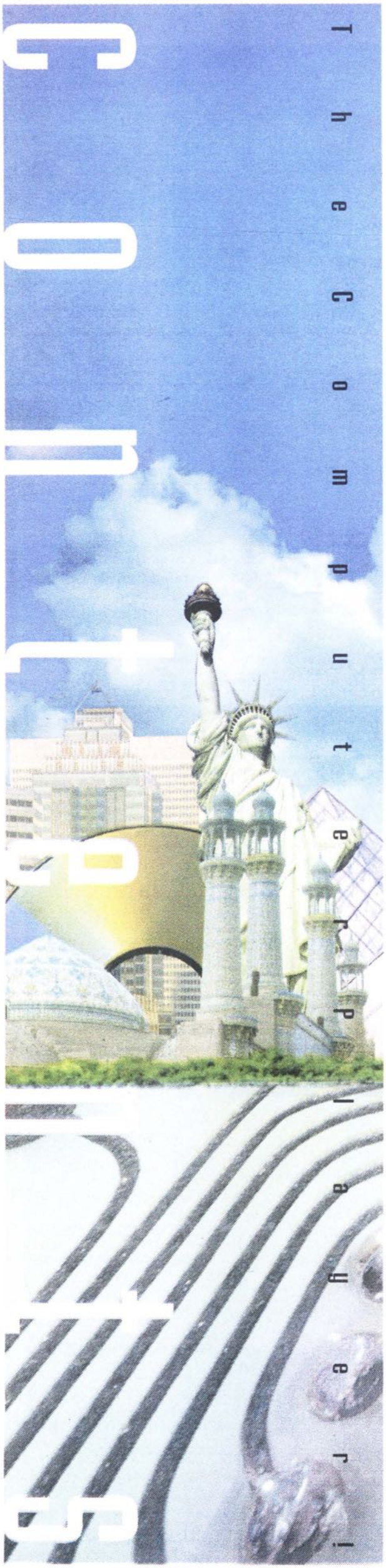
$339

VISA
MasterCard
AMERICAN EXPRESS
3% for Amx payment

BUSINESS HOURS:
MON-FRI 9:00-6:00
SAT 11:00-5:00
FREE PARKING AT REAR

2 YEAR PARTS & LABOUR WARRANTY ON SYSTEMS.
1 YEAR WARRANTY ON PARTS.
ABOVE PRICES REFLECT 2% CASH DISCOUNT. PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
AMERICAN EXPRESS ADD 3%.

#6-1128 WEST BROADWAY, VANCOUVER, B.C. V6H 1G5 • TEL: (604) 739-0883 FAX: (604) 739-2027



global village

12 **The Web's no polyglot – yet:** exploring language bias on the Net

12 Regulating the Net in Asia

21 Overcoming distance: a tale of two runners linked by the Net

22 Growing pains: Egyptians embrace new technology

23 The grass is always greener – even in cyberspace: a look at online issues in Germany

news · reviews · columns · online

features

14 A review of tax preparation software

25 Finding God on the Internet

27 Internet telephony: clarifications

34 Storefront? What storefront?

columns

8 BC Files: Climbing Everest by Web

28 Softwary: In software as in flour, how many bugs are too many?

41 Telecomments: Take a seat at the virtual Round Table

42 New Business: New horizons loom for rural ISP

news

11 Information and privacy: a question of balance

30 PC: appliance of the future

32 The chip that does mach-2

32 Porn scam dings thousands

reader services

6 Letters

19 *CP!* Calendar of Events

37 You Asked Us

48 Games Contest

58 Advertisers' Index

software/hardware

43 Small-business accounting packages: a quick peek

45 Personal money management

46 PC palmtops: keeping your ducks in a row

ACCO COMPUTER

Layaway with Price Protection
Best Rate Leasing In Town

201-12020 Bridgeport Rd
Richmond, BC V6V 1J3

Tel: (604) 273-3316
Fax: (604) 270-0366

Email: acco@planeteer.com

Business Hour
Mon-Sat: 10-6:30pm
Sun: 11-6pm

Monthly Special Brand Name Parts, Wholesale Prices with Warranty Express Service!

Quantum 3.2GB Fireball $379 S3 3D Virge 2M EDO w/ Games $72

First Time Buyer Special

5x86-133 $1068

PCI MB, Built-in Fast I/O
4EIDE, 256K Cache
16MB EDO RAM
1.3GB EIDE Hard Drive
1.44MB Floppy Drive
64bit SVGA 1M
104 Key Win95 Keyboard
Mini Tower Case w/ 230W
Mitsumi Mouse & Pad
Panasonic 8X CDROM
14" .28 1024x768 SVGA Monitor

Lease $39/mth*

Pentium 100/120	$1179/1199
133/150	$1269/1329
6x86 P150+/166+	$1198/1238

Ultra Station

P150+ $1839

Triton III- MMX PCI MB
512K Pipeline Burst Cache
Built-in Fast I/O, 4EIDE
32MB EDO RAM
1.6GB EIDE Hard Drive
1.44 MB Floppy Drive
Diamond Stealth 3D Full Screen
Full Motion **2M EDO MPEG Video**
Panasonic 12X CDROM
140W Multimedia Speakers
104 Key Win95 Keyboard
Sound Blaster 32 PnP Sound Card
Acer 33.6 Voice Hardware Modem
15" Mid Tower Case w/230W
Mitsumi Mouse & Pad
15" SVGA .28 1280x1024 Monitor

$60/mth*

Best Buy

Pentium 133/150	$1879/1939
166/200	$2069/2349
MMX 166/200	$2219/2569
6x86 P166+/200+	$2028/2268

Ultra Plus

P150+ $2499

ASUS P55C-T2P4 HX MMX MB
512K Pipeline Burst Cache
Built-in Fast I/O, 4EIDE
32MB EDO RAM
3.2GB Quantum Fireball
1.44 MB Floppy Drive
ATI 3D Xpression Plus PC2TV
2M SDRAM Video (TV Output)
Panasonic 12X CDROM
140W Multimedia Speakers
104 Key Win95 Keyboard
Sound Blaster AWE64 64bit Sound
USR 33.6 Voice Hardware Modem
19" ATX Tower Case w/230W
Mitsumi Mouse & Pad
MAG DX15T (SONY Trinitron)
15" .25 OSD PnP 1280x1024 Monitor

$81/mth*

Pentium 133/150	$2529/2599
166/200	$2749/2999
MMX 166/200	$2889/3239
6x86 P166+/200+	$2539/2689

Ultra Pro

Pentium Pro 150 $2198

$71/mth*

Intel Pentium Pro (P6) CPU/256K
Intel 440FX Natoma Chipset PCI MB
Built-in Fast I/O, 4EIDE
32MB EDO RAM
2.5GB Quantum Mode 4 Hard Drive
Panasonic 1.44 MB Floppy Drive
Panasonic 12X CDROM
140W Multimedia Speakers
104 Key Win95 Keyboard
ATI 3D PRO TURBO PC2TV
4M (Exp 8M) SGRAM
Sound Blaster 32 PnP Sound Card
Acer 33.6 Voice Hardware Modem
19" ATX Tower Case w/230W
Mitsumi Mouse & Pad

Office BackOffice™

Pro 180/200	$2568/2768

Microsoft Windows 95 Release 2 Full Version only $119 !
We Dare to Compare. Brand Name, Top Quality Parts Only!

No Credit Card

CPU & Mainboards

Pentium Triton III MMX MB.....**$135**
Built-in Fast I/O, 256K PBC
72/168 DIMM,PS2,SDRAM, **USB**
586/486 PCI/VLB/ISA MB.....**$89**
4EIDE, 1P/2x16550, 4x72pin

ASUS P55C T2P4 HX 256K.....**$179**
Tayan Tomcat III Dual P5/512K....$339

AMD 5x86-133 CPU.....$55
AMD K5-75 MHz CPU.....**$59**
Pentium 100/120.....$139/159
Pentium 133/150.....$199/249
Pentium 166/200.....$399/639
MMX P166/200.....$529/849

Cyrix 6x86 P150+/166+2.8V....$145/189
Cyrix 6x86 P200+.....**$339**

4M 30pin.....**$29**
8M/EDO 72pin (60ns).....**$45**
16M/EDO 72pin (60ns).....**$95**

16M EDO 168pin DIMM.....**$95**
16/32M SDRAM.....$139/260

Drives

1.28GB EIDE.....$245
1.7 GB EIDE.....$269
WD 1.28/1.6GB.....$259/279
WD 2.1/2.5GB.....$305/359
WD 3.1GB.....$389
Quantum 3.2GB FB.....**$379**
Quantum 2.1G SCSI2.....**$468**
IBM 2.1G UW SCSI.....**$575**

Panasonic 3.5" Floppy.....$30
HP Colorado T1000 Tape.....$160
Seagate TapeStor 3.2G.....$289

Fax Modems

Zoltrix 33.6 Fax.....**$95**
Acer 33.6 Voice/Fax.....$109
Supra 33.6 Voice/Fax.....$129
Motorola Surfr 33.6 Ext.....$209
USR 33.6 Fax.....$149
USR 33.6 Voice/Fax.....**$165**

U.S.Robotics
The Intelligent Choice in Information Access

Video Cards

Cirrus Logic 64bit SVGA.....$39
Trident 9680 MPEG SVGA.....**$49**
Trident 9685 **PC2TV** 2M EDO...**$99**
S3 3D Virge 2M w/ Games.....$72
ATI Mach64 MPEG/2M.....$75/$95
Diamond Stealth 3D 2M EDO...$129
ATI 3D Plus 2M SDRAM.....$159
ATI 3D Pro Turbo 4/8M....$255/365
MGA Millenium 2/4M.....$239/339
15" Acura NI/LR/Digital... .....$289
Sceptre 15" P51 .28 1280x1024..$359
MAG DX15T 15" .25 OSD.....**$479**
MAG DX700T 17" .25.....$879
NEC 17XV+ Multisync.....**$1069**

Printers

Canon BJC 4100 Color.....**$299**
Epson 400C Color 720x720dpi...$339
HP 690C Color.....$389
Brother WL660 600dpi Laser.....**$329**
Canon LBP 460 600dpi Laser.....$379
Panasonic 1200dpi,6ppm Laser..$499

Scanners

HP ScanJet 5P/4C.....**$519/$1228**
Epson Scan II.....**$589**
Relysis Infinity 2400x2400 dpi.....**$438**

CDROM & Sound Card

Panasonic 8X CDROM.....$135
Acer/Panasonic 12X CDROM...**$145/$155**

Pioneer 12X Int. SCSI CDROM.....**$239**
Plextor 12X Int. SCSI CDROM.....**$399**

HP SureStore 6020i 6x2 CD-Writer...**$659**
Yamaha 4x4 Int/Ext CD-Writer...$995/1195
TDK CDR 74min 650MB.....**$10**

ES1868 16bit PnP 3D Full Duplex.....**$29**
Sound Blaster 16 PnP.....**$75**
Sound Blaster 32 PnP.....**$129**
Sound Blaster AWE64 (Retail).....**$249**

60/140W Multimedia Speaker.....$25/$59

Misc.

Mitsumi 104 Keyboard.....$20
Fujitsu 8725/4725.....$29/59
Mitsumi Bus Mouse.....$25

13" Tower w/ PS.....$59
15"/19" Tower.....$69/85

IOmega Zip Drive Int/Ext.....**$259**

Super IDE I/O Card.....$30
ASUS SC200 SCSI PCI.....$125
Diamond Fireport 40UW PCI..$239
Adaptec 2940UW PCI.....**$325**
Ethernet ISA/PCI.....$45/$59
8 Port 10Bast-T Hub.....$129

MS-Encarta 97 CD Packs.....**$79**
(Encarta,Works,Money,Golf,Exp.)

MS-Office Pro95.....**$249**
MS-Office Pro97.....**$439**
NT 4.0 Wkstation Full.....**$289**
NT 4.0 Servr/10usr.....$1049

Prices subject to change w/o notice
Corporate P.O. Welcome.

ACCO Computer is the first company in North America to offer Warranty Express Service. You have same day service when you own any ACCO Computer Systems at no extra change.

Notebook .....Call
3 year labor & 1 year parts warranty
Free Internet Setup & Access (1st Month)

Notes from all over

letter from the editor

This is my tech tale from the global village.

I wonder: if we are indeed living in a global village, what do my "neighbours" think. I send informal surveys to England, South Africa, Latvia, and Egypt. I reach out, but not by "traditional" means. There's not enough time for that (a typical global-village phenomenon).

I write: "Everybody speaks about the global village. Submarine cables are wiring together the world, you can consume Big Macs in Sydney and Tel Aviv, Africans watch *Dallas* on TV, e-mail allows you to trek in Nepal and stay in touch with loved ones in Anchorage.

But is the global village really global? Are the people in your part of the world connected? Do geography, gender, age, race, and standard of living play a role? Will computers and modems become as ubiquitous as televisions and cars?"

No escape

"Six degrees of separation," replies a friend who does business in half a dozen countries from an office in Quebec. *"The Internet is sort of like that. A router knows some router that knows some router that knows the person you want to e-harass. We are connected like never before."*

Communication via the Internet is *numero uno*. Notes to friends and family, business correspondence: it makes anyone anywhere feel closer to home.

"The Internet has greatly increased my quality of life in Russia. I'm one of those people who loves libraries and other similar info-gathering amenities available to the average North American... Now that I'm online, I once again feel connected and am able to access more information than I ever dreamed possible."

In many countries connectivity is still an incredibly expensive and difficult process—but that's changing—with increasing rapidity.

"When I arrived in Pamplona (Spain) in 1991, there were few (if any) persons who had even heard of e-mail, needless to say the Internet... Using my computer and Internet skills I was able to secure a part-time position at the university's information technology centre and thus able to find out what was going on in Canada." By 1996, *correo electronico* (e-mail) was virtually everywhere.

Who's who

But who are the people frantically clicking away at the keyboards?

"There are many people in Latvia that don't know anything about computers. But it's getting better as practically all young people are familiar with computers. I believe one's age, standard of living, occupation, and geography have a really important role to play."

Present the same question to South Africa and you're rapped on the knuckles.

"The current government and citizens want to wipe out any wrongs from the past. Computers are being donated to schools in previously disadvantaged areas—they're getting their own Internet hookups.

However, the looming population—a good portion uneducated and unemployed—still have no idea what the information superhighway is. Shacks often have no electricity, which makes the computer scenario even more remote. Plus, how could one even pay for a computer?"

The void between those for whom the wired world is "amazing" and those for whom it means getting power for lightbulbs, is still there. Witness Egypt.

"I'm in the land of the Pharaohs, connecting to the past and surfing the Web on the same day. I can take my laptop to South Sinai, retrieve my e-mail in the morning and dive with the dolphins in the afternoon.

But that's on a good day... Sometimes reaching my server in Cairo is like trying to call the moon. Within Cairo, the server may now have more lines, but the phone network isn't coping with the traffic. That's when you realize how dependent you are on this new technology and how vulnerable it is.

All around you, especially outside Cairo, people are still living the same way they did hundreds of years ago. The technology is here, but it will probably never reach them. Are we moving forward? Yes and no. Part of society is leaping forward, yet a large part of the population is actually going backwards. Are we getting more connected... or less?"

If and when the information superhighway criss-crosses continents and connects brains, will it erase borders? Unlikely, say some. *"No matter how the Internet connects us, we'll never be able to connect the views of countries like Saudi Arabia with our own racist views towards different people and customs. We're still a very ethnocentric culture and not very tolerant of differences."*

Televisions and cars are ubiquitous. If computers are altering lives as dramatically as they say, is there any reason to think that, in the future, we won't see PCs and modems everywhere?

The world is being wired as we sleep. This is the Oz of the 1990s—but we'll probably never click our heels and go home again. Why would we?

Let the games begin

On another note, with this issue we launch our new Games section. We welcome your ideas and inspiration for this new addition to *Toronto Computes!*

Enjoy the issue!

Māra Gulens
Editor-in-chief
editor@tcpon.com ◆

Your letters please

Letters on issues raised in the paper or general computer topics are welcome.
Please be brief.
We regret that we are unable to look up stories from past issues, suggest products, or solve all your computer problems.
Only those with names and e-mail or snail-mail addresses will be published.
Letters may be edited for space or content.

The Editor,
Computer Player!, Canada Computes! BC Edition
425 Carrall Street
Suite 503,
Vancouver, BC
V6B 6E3
ccletters@tcpon.com

ZIP on the outside okay?

I just read the online version of some articles in the current issue and must take exception to one point. In an article, one of your writers says that the Iomega ZIP drive software will install itself ahead of a CD-ROM, displacing it from its usual drive letter. Now, this may occur with internal ZIPs, but I know it does *not* do this if one installs an external ZIP drive (SCSI) to an internal SCSI adapter card.

I have easily installed the latter as the last drive letter in a DX4/100 running DOS 6.22 and Win 3.1. This was part of my work to deinstall Windows 95, having no choice but to reformat both hard drives to blank and reinstall Win 3.1 for a client.

I have now removed Win95 from three computers for clients! Is this becoming a common activity by techies to your knowledge? My personal interest now is multiple-boot systems that may include Linux and OS/2 as options at start up. In this area, Microsoft seems to be the most *inflexible*!

Anthony Eriksson, via the Internet

Creating video-picking blues?

In future, can you limit reviews of software to those items available in Canada? It could save your readers the frustration I just experienced.

Your article ("Beat the Video Picking Blues," February 1997) reviews Creative Multimedia's *Blockbuster Entertainment Guide to Movies & Video*. Having an interest in this product, and particularly the Billboard Music Guide bundled with it, I visited the Website mentioned. It indicated the products could not be ordered or shipped to "foreign" countries.

So I tried the Toll-Free number, indicated I was from Canada, and asked if the product were available here. I got the phone equivalent of a blank stare, but was eventually sent first to their shipping department, then to their customer-service department. That turned out to be a toll-free line for the magazine *Consumer Reports*!

Finally, they referred me to the company's head office. I was given the Vancouver number of the company's Canadian representative and the distribution company.

The distributor, Beamscope, sent me to consumer service, who in succession informed me that a) they had not heard of the product, b) the Billboard Music Guide did not exist (it does), c) the product is available at Blockbuster Video (it is not), and d) the product is not available in Canada and may not be for six months!

For dated material, such as movie, video, or CD reviews, this a practical guarantee of obsolescence. How do you manage to get copies to review?

Pat Kelly, via the Internet

According to Blockbuster Canada's head office, The Blockbuster Entertainment Guide to Movies & Video *will be available in Canada in six to eight weeks.*

Cookie monster?

If Myles has got his knickers in a knot about cookies, he should give CookieMaster a try. It works in the background, gathering all the cookies offered and lets you delete the ones you don't want whenever you want. Best of all, it is free and available at the ZDnet site (http://www.zdnet.com/). If you're not in competition with those great folks Stateside, maybe you could tell your readers about it!

Keep up the good work.

Brian Mahoney

See Dick compute?

I just read an article by Steve Bain that really "got through" to me that this is a new era.

He described the new DreamWriter product line from the NTS company in BC and it seems to me that Steve was describing the modern counterpart to the Dick and Jane Primer. The notebook is literally the size of an 8 x 11-inch binder. It seems to me that the very reasonable $300-500 current price will come down with competition and with the later stages of the product life cycle.

Given that half of grades one to nine now have classrooms connected to the Internet and that this figure will be 100 per cent within two years, I have to ask if products like the DreamWriter aren't the Primers that all students in Canada will soon carry from grade one on? What do

continued on page 9

ELITECH SYSTEM

ELITECH

安 泰 電 腦

WE OFFER BEST SERVICE, BEST PRICE, BEST QUALITY!

コンピューター

PENTIUM 120 SYSTEM

Intel Pentium **P-120** CPU
PCI/ISA Mother Board
Built-in EIDE Ctrl
256k Pipeline Burst Cache
8MB EDO RAM
PCI 64bit Video Card
1.3GB Hard Drive
1.44MB Floppy Drive
Mini-tower Case w/230W PS
104 Win'95 Keyboard
2 or 3 Button Mouse

$726

or lease
$24/mon

PENTIUM 133 SYSTEM

Intel Pentium **P-133** CPU
PCI/ISA Mother Board
Built-in EIDE Ctrl
256k Pipeline Burst Cache
16MB EDO RAM
PCI 64bit Video Card
1.7GB Hard Drive
1.44MB Floppy Drive
15" Mid-tower Case, 230W PS
104 Win'95 Keyboard
2 or 3 Button Mouse

$839

or lease
$28/mon

PENTIUM 166 SYSTEM

Intel Pentium **P-166** CPU
PCI/ISA Mother Board
Built-in EIDE Ctrl
256k Pipeline Burst Cache
16MB EDO RAM
PCI 64bit Video Card
1.7GB Hard Drive
1.44MB Floppy Drive
15" Mid-tower Case , 230W PS
104 Win'95 Keyboard
2 or 3 Button Mouse

$1059

or lease
$35/mon

Cyrix 166+ **$879**

MULTIMEDIA SYSTEM I

Intel Pentium
P-133 CPU
16MB EDO RAM
1.3GB Hard Drive
PCI/ISA Mother Board
Built-in EIDE Ctrl,256k pp Cache
PCI 64bit Video Card
1.44MB Floppy Drive
14" SVGA Monitor
15" Mid-tower Case, 230W PS
104 Win'95 Keyboard, Mouse
8x CD ROM, 33.6 fax/modem
16Bit Sound Card
60W Speakers

$1369

or lease
$45/mon

Cyrix 150+ **$1335**

MULTIMEDIA SYSTEM II

Intel Pentium
P-166 CPU
32MB EDO RAM
2.1GB Hard Drive
PCI/ISA Mother Board
Built-in EIDE Ctrl,256k pp Cache
S3 3D Virge Video Card
1.44MB Floppy Drive
15" SVGA Monitor
15" Mid-tower Case, 230W PS
104 Win'95 Keyboard, Mouse
12x CD ROM, 33.6 fax/modem
Sound Blaster 16PnP
60W Speakers

$1939

or lease
$64/mon

Pentium 133 **$1723**

1 mon. free internet from April

Motherboard

Pentium Motherboard PCI/ISA ---------- $129
Gigabyte PCI/ISA VX 512k ---------- $173
Gigabyte PCI/ISA HX 512k ---------- $183
Asus Trton II VX 256k ---------- $173
Asus T2P4N HX 256k ---------- $190
Intel Chipset Pentium Pro---------- $258
486 PCI/ISA Motherboard ---------- $109

CPU

Pentium 100/120 ---------- $129/$148
Pentium 133/150 ---------- $189/$245
Pentium 166/200 ---------- $405/$678
Pentium PRO180/200 ---------- $718/$899
Pentium 166/200 **MMX**---------- $595/$899
Cyrix 6x86 120+/150+/166+ $127/$155/ $225

Hard Drive

1.3G/1.7G EIDE ---------- $245/$272
2.1G/2.5G EIDE---------- $309/$339
WD 1.7G/ 2.1G EIDE ---------- $279/$325
WD 2.5G/3.1G EIDE ---------- $365/$395

Memory

30p 1MB/4MB---------- $9/$26
72p 4MB/8MB EDO ---------- $22/$38
72p 16MB/32MB EDO ---------- $88/$178
DIMM 8MB/16MB ---------- $70/$108
DIMM 32MB/64MB ---------- $220/$550
256K/512 Pipeline Cache---------- $20/$40
SOJ Video RAM 1M---------- $18

Others

Joypad / Joystick ---------- $18/$25
Microphone---------- $12
Earphone w/Microphone ---------- $20

Monitor

SVGA Monitor 14"/15"/17" ---- $239/329/615
Proview 14"/15" /17"---------- $249/339/629
Daytek 14"/15"/17" ---------- $269/349/699
SCEPTRE 14"/15"/17" ---------- $299/369/699
MAG DX 15" .28 / .25 ---------- $465/$509
MAG DX 17" .28 / .26 / .25 --$755/$835/$950
NEC 15" C500/XV+ ---------- $545/$635
Viewsonic 15" 15GS---------- $509
Viewsonic 17" 17GS/17PS---------- $839/$969
Optiquest V775 17" 0.26---------- $859
Sony 15" SX/SFII---------- $529/$619
Sony 17 " SX/SF---------- $919/$1099

Printer

Canon BJC240/4100 ---------- $249/$299
Canon LPB-460 Laser---------- $365
HP Deskjet 680C/820C ---------- $398/$488
HP Deskjet 870C ---------- $639
HP 5L/5P Laser 600dpi---------- $529/$950
Epson Stylus 500/Pro Color ---------- $380/$525
Brother HL730/760 Laser ---------- $430/$540
HP 4P/4C Color Scanner ---------- $649$1119
Microtek E3 Color Scanner ---------- $485

JAZ / Zip / CD Writer

JAZ 1G SCSI int/ext---------- $515/$625
ZIP 100M int/ext ---------- $249
Yamaha 2x/4xCDWriter ext---------- $965
Yamaha 4x/4xCDWriter int/ext-------$999/1195
Panasonic 2x/4x CDRec. Kit w/sf/ctrl -----$639

Eithernet Adapter

16bit ISA 10Base 2/T ---------- $39
32bit PCI 10Base 2/T---------- $57
8 /16Port HUB ---------- $125/255
PCMCIA Eithernet Adapter/Comb---------$155

Modem

33.6 Fax/Data/Voice int- ----------$105
Supra 33.6 w/Voice int---------- $140
USR 33.6 Fax/Data/Voice Modem int----- $169
USR 33.6 Fax/Data/Voice Modem ext-----$283
GVC PCMCIA 33.6 Modem ----------$259

CD ROM

8x CDROM ---------- $129
8x CDROM Panasonic----------$135
12x CDROM ----------$152

Sound Card / Speaker

Stereo Sound Card ---------- $45
Sound Blaster 16 PnP/ 32 PnP -------- $78/ $135
Sound Blaster 16 3D ---------- $115
Sound Blaster **64 AWE** retail---------- **$260**
Speaker 7W/60W/120W----------$15/$24/$42

Video Card

Cirus Logic PCI,1M/2M w/sfMPEG --- $49/$66
S3 Trio 64bit PCI,1M/2M ---------- $49/$69
S3 3D Virge 2M/4M w/Games--------- $89/$129
ATI Mach 64D,1M/2M w/MPEG ------- $75/$95
ATI 3D + 2M/4M wMPEG ---------- $163/$199
ATI 3D + 2M/4M wMPEG, PC2TV---$183/219
ATI 3D Pro Turbo 4M/8M, PC2TV - $279/$395
Diamond Stl 64D,1M/2M ---------- $95/$115
Matrox Millenia 2M/4M WRAM----- $249/$359
Matrox Mystique 3D 2M/4M --------- $199/$245

Software

w/system only:

Windows'95 Full Ver.---------$120
MS-Office Pro. 7.0----------$269
Corel Word Perfect Suite 7.0 ---------$85
MS NT Workstation 4.0 ----------$289
MS VB Pro 3.0/4.0----------$105/$335
MS Home Bundle ----------$55

Keyboard Mouse

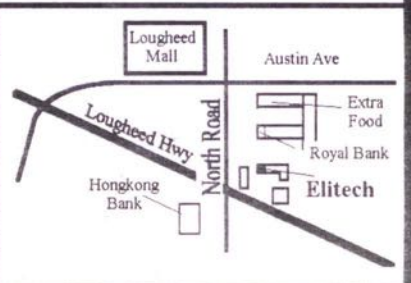
Win'95 104 Keyboard ---------- $20
Fujitu 8725/4725 ----------$29/59
Logitech Mouse 2B/3B---------- $20/35
Microsoft Mouse ----------$35

Case

13" /15" w/230W PS ---------- $48/$58
19" /24" w/230W PS ---------- $68/$104
Desktop Case ----------$59

Please call to check daily prices.

國語 粵語 日本語でどうぞ



Limited quantity. Prices are cash discounted and subject to change without notice. Call for the current prices.

201-403 North Rd, Coquitlam, B.C. (Lougheed Hwy & North Rd)

TEL(604)931-5809 FAX:(604)931-5891 Mon.-Fri. 11:00-6:00 Sat. 11:00-5:00

Climbing Everest by Web

The BC Files

Steve Bain

If you're feeling a little disenchanted with the World Wide Web these days, this may lift your spirits. Jamie Clarke will be climbing Mount Everest next month with potentially several thousand Canadian students sharing in his adventure—all made possible by the latest Web technology.

Clarke, who has 20 years of climbing experience behind him, will be part of a team scaling the world's tallest mountain. He will be uploading his experience to the Web as he goes on what has been dubbed "Adventure Everest."

The project is being engineered by Vancouver educational-software developers VR Didatech and CCT Software Plus, with multimedia talent borrowed from the Vancouver Film School. Joint funding will come from the BC Ministry of Education, Colliers International, Lotus Development Corporation, and participants of the program.

Next best thing?

The thrust of the effort is for teachers and students to share a learning experience together. "There's a very strong theme for students in this 'Adventure Everest' project," says Blake Cowan, vice president of sales and marketing at CCT Software. "It teaches students goal setting, perseverance, and how to deal with setbacks. Themes like this are very compelling for young students."

Pre-climb reports began two months ago and will continue until April 14, while the climbers head toward a 17,000-foot-level base camp. From there, daily progress will be provided directly from Everest until the end of the trip in May.

The cost for participating schools will be roughly $100 for the duration of the program, including registration and the purchase of specialized software. Interaction will be virtually instantaneous through the use of satellite links. Students who attend participating schools will have the opportunity to participate in IRC chat sessions directly with the climbers over the Web, which will be moderated by classroom teachers and educators participating in the climb.

For more information about the event, call VR Didatech at (604) 299-4435 or visit the Adventure Everest site at http://www.vrsytems.com/everest/index.html.

Pivotal Software takes off

If you're prone to scribbling names, numbers, and business details onto scraps of paper, only to have them laundered with your favorite business shirt, then here's a tip. A new program called *Pivotal Relationship* promises to organize all your business dealings.

After receiving a cash infusion from investors of more than $7 million, North Vancouver-based Pivotal Software is going for the gold after seeing considerable interest in their latest customer-interaction software. Last month, the company announced a hiring blitz of 25 marketing, sales, software-development, tech-support and administrative personnel. Not bad for a company that has already doubled its staff within the last nine months.

Pivotal Relationship is designed to help take the pain out of tracking, recording, and organizing the endless details that exist in daily business. It offers marketing features that help find, win, understand and retain customers, and it consolidates all customer information into one system, allowing sales, marketing, and customer-service professionals to target prospects, close sales, fill orders, and solve customer problems. Their product is already experiencing significant market interest in Canada, Europe, the United States, and Japan, and was recently named one of the top 15 sales and marketing automation products in the world.

Polish your résumé. BC is growing into a software-development hotbed, and as it does, high-tech companies continue to scramble for qualified workers. "Our business has been growing at an incredible rate," says Norm Francis, Pivotal's president. "The big challenge we face now is finding skilled professionals with high-tech industry experience to help drive our success in the US and in International markets."

Pivotal Software is a privately held company. For more information, see their Web site at http://www.pivotal.com/ or call (604) 988-9982.

Hobknob with the gurus

Next month, Netscape's director of technology, Martin Haeberli, will give a keynote address to the fourth annual Software Practitioners Conference in Vancouver, being held March 24-25 at the Delta Vancouver Airport Hotel. For roughly $650, attendees will be treated to insights from several experts in the software development industry, as well.

Talks will also be given by speakers from the technology arms of Microsoft and Apple Computer and from local BC firms such as SoftQuad, MacDonald Dettwiler, OpenText, and Prologic. Conference topics are scheduled to focus on Internet security, protocol, markup languages, and Java issues with regards to application development for the World Wide Web.

For more information or to register, contact the Software Productivity Center at (604) 662-8181 or visit their Web site at http://www.spc.ca/

Steve Bain is a *Computer Player/Canada Computes* western correspondent. Send news, tips, questions, or comments to Steve@helix.net ◆

MONITORS

ACERVIEW
34T 14" .28 $328
54E 15" .28 $415
56E 15" .28 $440
76IE 17" .27 $730

PROVIEW
14" $260
15" $365
17" $699

SCEPTRE
14" P41 $295
15" P51 $400
15" P535 $415
17" P73 $660
17" P73S $680

DAYTEK
15" $365
17" $730

MONTHLY RAM SPECIAL
UNBEATABLE PRICES
CALL US NOW!

Trade-Ins Welcome
Leasing Available
We Specialize In Corporate Sales

IBM THINKPAD
365X P-133/8MB/1.08GB/
11.3" DSTN/WIN95 $2,741

IBM THINKPAD
365XD P-120/8MB/850GB
10.4"TFT/WIN95 $2.565

IBM THINKPAD
365XD P-133/8MB/1.35GB/
11.3"DSTN/6X C DM/WIN95 $3,973

NNET COMPUTER MART
WWW.ZEVEN-INC.COM/BUSINESS/NNET.HTM
Tel: (604) 738-7577 Fax: (604) 738-2033 E-Mail: info@zeven-inc.com

GAMES LOVERS' LIBRARY

- Full line of computer systems
- Custom built systems to your specifications
- Specializing in upgrades

133MHz $1380
150MHz $1430
166MHz $1600
200MHz $1800

INTEL PENTIUM SYSTEMS
15" mid tower case
Intel Chip Set, 256K Pipeline Burst Cache
16MB EDO RAM
1.44MB floppy disk drive
1.2GB EIDE hard drive
16 Bit Sound Card
8X Internal CD-ROM Drive (EIDE)
2 External Speakers
64Bit SVGA card
14" SVGA Non-interlaced color monitor
Microsoft 2 button mouse
104 key/Windows 95 keyboard
Windows 95 CD

* DEADLINE EXTENDED * With every system purchased by March/97, we will include 2 Games or 2 Computer Books of your choice.

*1 month free internet access with every system purchased

PC Games, CD ROMS, Computer Books, CD Movies, Rentals & Sales
Phone for our everyday low price on new PC games. We carry both Chinese & English titles.

Over 700 almost new consignments/used PC games at very good prices to choose from. Plus a wide selection of hint books and strategy guides. We carry both Chinese and English game magazines.

Some examples of our fine pre-owned games. Lots more with lower prices

Ah-64D Long Bow	$38.00	John Madden '97	$38.00	Warcraft 2	$38.00
The need for speed SE	38.00	Time Lapse	43.00	Quake	45.00
Terra Nova	38.00	Duke Nukem 3D	38.00	11th Hour	45.00

Hours Mon to Fri 10am - 8pm
Sat, Sun, Holidays 11am - 7pm

140 - 9020 Capstan Way Richmond, B.C.
One block north of Cambie on Garden City, next to 7-11

Tel: (604) 270-7898
http://www.jvb.com/gameslovers

COMPUTER PLAYER!

CANADA COMPUTES! B.C. EDITION

Founders Kent Liqin Chen, Li Ding
Publisher Douglas Alder
Editor-in-Chief Mara Gulens, *editor@tcpon.com*
Managing Editor Lara Thais King
Assistant Editor Renée Wilson
Copy Editor William Wood
Associate Editor Myles White, Alan Zisman
Editorial Assistant Lauren Blankstein
Art Director Jennifer Hanlon Scott
Art Assistant Susan Magill
Production Jason Edmunds, Kristen Olsen, Lisa Wilder
Project manager Judy Prange
Controller Chris McPhie
Advertising Sales
Jamie Leighton, *jamie@tcp.ca*
Randy Chaster, *randy@tcp.ca*
Frank Houston, *frank@tcpon.com*
Marsha Miller, *marsha@tcpon.com*
Accounting Farida Aini
Distribution Harpal Singh Khalsa

About the Cover
This month's cover photograph was shot by John Narvali and features Sarmistha Roy, Brian McEachern, Yvette and Uma Doucette, and Tim Bingham-Wallis. It was designed & retouched in *Photoshop 3.0*. by Jennifer Hanlon Scott. Composition & type were created in *Adobe Illustrator 6.0*.

Computer Player!
(Canada Computes! BC edition) is published monthly by *Canada Computer Paper Inc.*

Computer Player!
425 Carrall St., Suite 503
Vancouver, BC V6B 6E3
Tel: (604) 688-2120 Fax: (604) 688-4270

Toronto Computes!
99 Atlantic Avenue, Suite 408
Toronto, ON M6K 3J8
Tel: (416) 588-6818 Fax: (416) 588-4110

Ottawa Computes!
260 St. Patrick Street, Suite 303
Ottawa, Ontario K1N 5K5
Tel: (613) 789-6431 Fax: (613) 789-6433

Québec Micro!
360 Notre Dame Ouest.,Suite 103
Montréal, QC H2Y 1T9
Tel: (514) 843-4770 Fax: (514) 843-3484

Copyright 1997
Canada Computer Paper Inc.
unless otherwise specified.

Subscriptions: $29.95 (includes GST) a year, $49.90 (includes GST) 2 year.
American subscriptions: US$75
Overseas subscriptions: Can$135
Mail cheques and money orders (payable to Canada Computer Paper Inc.) to:
Computer Player!
425 Carrall Street, Suite 503
Vancouver, BC V6B 6E3

Canadian Publication Mail Sales Product Agreement #170 437
Printed in Canada
ISSN 1188-9462

Computer Player! is distributed free through hundreds of stores & street boxes around the Greater Vancouver area.

The publisher reserves the right to refuse sexist, racist, or otherwise offensive advertising. The publisher also reserves the right to be the final judge of what is appropriate.

ANNOUNCEMENTS: *pressreleases@tcpon.com*
YOU ASKED US: *yau@tcpon.com*
APRIL 1997 ISSUE: Careers
AD DEADLINE: Tuesday, March 11
DISTRIBUTION: Saturday, March 29

The full text of CP! is available to read online at:
http://www.canadacomputes.com/

Letters ...

continued from page 6

the teachers on the list think? By the way, I don't have a vested interest in this or any other computer company. I have taught college in Alberta and BC and I am now contemplating, even marvelling, at this new era in telecommunications.

Sincerely, FWP.

New *Utilities* bugs many

Re: Alan Zisman's software column about Win95 utilities (February 1997).

I'm not sure if he actually used *Norton Utilities* version 2, but those of us that loved version 1 have found 2's new bells and whistles to be riddled with bugs. So far, Symantec's advice is a load of workarounds and "yes, we're working on that."

As someone who's relied on *NU* for a long time, I find their lack of proper design scary, as I don't know another utility package to which I can turn. As with a lot of people I've talked to, I'm leaving my copy on the shelf for a few months until the bugs are fixed. And by the way, it costs $100, not $150.

Bob Robertson, via the Internet ◆

Once they're gone ...they're gone.

IPC Limited Edition Power Appliance.

INSTANT CREDIT APPROVAL
FOR STUDENTS
up to $3500 for full or part time University or College students. See participating dealers for details.

Entertainment Included!

- Microsoft SideWinder Game Pad
- Sega Virtua FighterPC
- Microsoft Phone
- Microsoft Voice
- 3 CDi movies

System not as shown.

IPC 5166•Le

Intelligent Personal Computers

- **Power Power Power**
  166MHz Intel Pentium® processor
  16 MB RAM with 256k pipeline cache
  1.3 GB Hard Drive
- **High End Video**
  2 MB S3 SVGA video card
  MPEG full motion video
  12x Speed CD ROM
- **Big Sound**
  16-bit sound card
  Amplified external speakers
- **Internet Ready**
  33,600 bps fax.data Win modem
  90 Hours Free internet access

Microsoft Plus and Windows 95
Keyboard, Zoltrix mouse, & pad
Two year parts & labour warranty depot service
Includes 14" SVGA monitor

$1697
Only $53 per month*

IPC™ PERSONAL COMPUTERS

Check out the price!!

You've been waiting for a deal like this to come along. That's what you tell yourself every time you realize it's time to buy a computer. Well this is it. But it's definitely a limited time offer. Thanks to a special buying opportunity we've put together the most value priced system in the history of our company.

Never before has this much power and functionality been available at such a unbelievably low price. Shop around. You won't find a better value anywhere. But don't delay. We've built a limited number of IPC **5166•Le** systems and once they're gone ... they're gone.

Don't miss this chance to own a powerful, fully featured, internet ready, multimedia machine at a rock bottom price!. Call us today at **1.888.446.4472** for a dealer near you.

See the IPC 5166-Le at an authorized IPC dealer near you, or for information call: 1.888.I-GO.4-IPC

Abbotsford	*Pacific Office N Things*	*604.864.0865*	*Kamloops*	*Specialty Electronics*	*604.851.9949*
Burnaby	*Dexton Enterprises*	*604.433.9866*	*Kelowna*	*DCC Systems*	*604.762.2696*
Campbell River	*Odyssey Computer Services*	*604.287.3311*	*Port Alberni*	*Alltech Computer Systems*	*604.723.1127*
Chilliwack	*MS Computech Electronics*	*604.858.8337*	*Prince George*	*Computime*	*604.564.3778*
Comox	*Panic Computers*	*604.339.0929*	*Vancouver*	*Polson's Office Products*	*604.879.0631*
Delta / Surrey	*Strider Computers*	*604.543.4200*	*Williams Lake*	*Information Mgt. Service*	*604.392.4675*

The Intel Inside Logo and Pentium are registered trademarks of Intel Corporation. The IPC logo is a trademark of 3D Microcomputers. Prices and configuration subject to change without notice. All prices are cash discounted. *O.A.C. based on 48 month term with a fair market value buyback option. Supplies are limited.

Information and privacy:

A question of balance

• • By JUNE CAMPBELL • •

How can we strike a balance between the public's "right to know" and your personal right to privacy?

According to Darrel Evans, executive director and founder of BC Freedom of Information and Privacy Association (BC FIPA), that question is foremost in the minds of a good many British Columbians as the BC government considers revisions to the existing Freedom of Information and Protection of Privacy Act.

BC FIPA was incorporated as a non-profit society in January 1991, largely due to the lobbying efforts of Evans and a dedicated group of like-minded supporters. FIPA's mandate is to advance the principles of freedom of information and privacy protection in British Columbia. The little society was the first of its kind in Canada, but has since helped launch a sister organization, FIPA Alberta, in 1993.

BC FIPA views its role as that of a watchdog and public advocate. Following "a major law-reform campaign in British Columbia," the society was instrumental in achieving the enactment of the BC's Freedom of Information and Protection of Privacy Act, which has since received international recognition as the best act of its type in North America.

Technology gets nosier

Evans had concerns that the privacy of individuals was being increasingly compromised due in part to the capabilities of advancing technologies. Anyone with the know-how could obtain, categorize, store, and distribute information with a speed and efficiency never before possible. Microsoft chairman Bill Gates wrote "The same digital technology that makes it so easy to communicate also makes it easy to snoop. Steaming open an envelope has never been so simple and untraceable as it is, in effect, on the Internet."

"These technologies themselves are neither good nor bad," Evans remarks from his

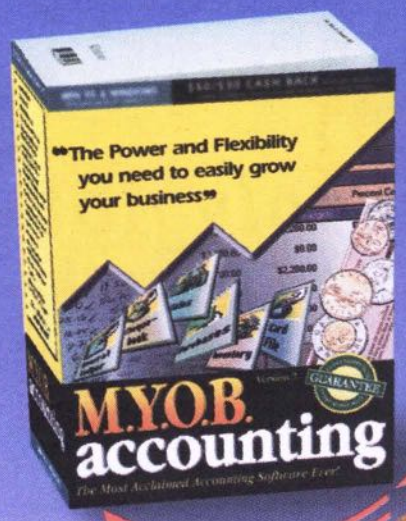
continued on page 15

info box

BC FIPA
Phone: (604) 739-9788; E-mail: Darrell Evans via 103241.3330@CompuServe.com; Web: http://griffin.multimedia.edu/~fipa/

Office of the Information and Privacy Commissioner
http://latte.cafe.net/gvc/foi/
Freedom of Information and Privacy Act (online version)
http://latte.cafe.net/gvc/foi/BCLAW.html
BC Civil Liberties Association
http://www.bccla.org:80/index.html

Canada's Most Powerful Accounting Software for a Growing Business Like Yours...



M.Y.O.B.® accounting.

Powerful
M.Y.O.B. is a full fledged business management system. Quotes and estimates, contact management, job costing and a report customizer for M.Y.O.B.'s 111 reports, are just a few of the powerful features that set M.Y.O.B. apart.

Flexible
Some accounting packages force you to work the way they work. Not M.Y.O.B. - you can design your own invoices, purchase orders, statements and other forms. M.Y.O.B. Version 7 conforms to the way YOU do business.

Easy to Use
Most Canadian accounting packages that are powerful either aren't meant for growing businesses or are difficult to use. Features like the Setup Wizard and CD ROM Learning Centre make M.Y.O.B. easy to setup, easy to learn, and easy to use!

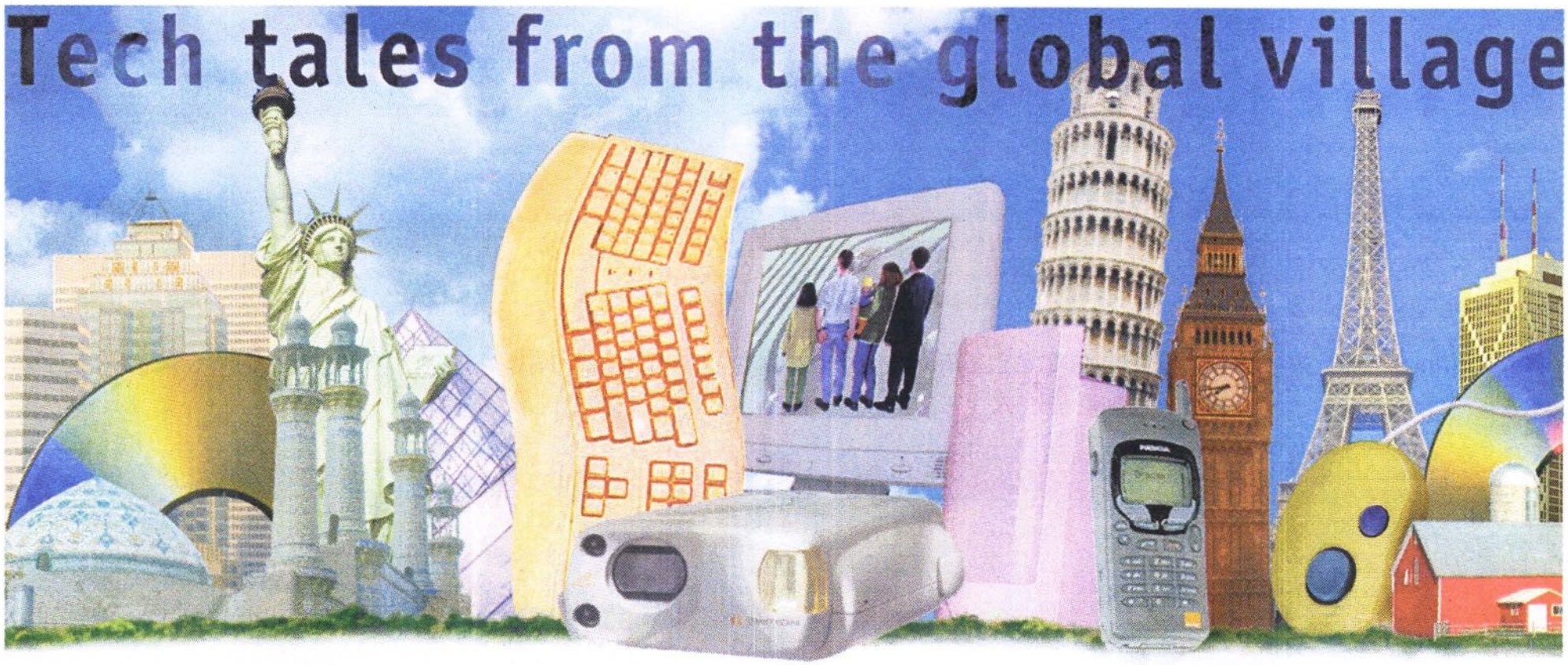
We GUARANTEE if your business requires Flexibility, Power, and Ease of Use, you won't need to look beyond M.Y.O.B. Buy M.Y.O.B. Version 7 now.

See why the critics are consistently voting M.Y.O.B. the #1 choice!

Best!Ware®
145 King Street West, Suite 1000, Toronto, Ontario M5H 3X6
For more information: **1-800-640-MYOB (6962)** Fax: 416-360-2927 www.bestware.ca

Go to one of these software resellers and ask for M.Y.O.B. today!
A Plus • Adventure Electronics • A&B Sound • Business Depot • Compucentre CompuSmart • Computer City • Doppler Computer Superstore • Future Shop • Inmac Mac Warehouse • Micro Boutique • NEBS • Office Depot • Office Place • London Drugs

Tech tales from the global village



Slender threads

• • By LAUREN BLANKSTEIN • •

As we put together this "global" issue, the impact of the proverbial global village really hit home.

Like most other offices, we have developed a dependency on e-mail. On a daily basis, electronic messages are sometimes our only link to editors and writers across Canada—not to mention across the office. In this issue, we used our handy e-mail to track down and work with foreign writers for the first time, something many larger magazines do routinely. Working with them turned out to be no different than working with one of our local writers. All of a sudden, Cairo and Mississauga were both just a mouse-click away.

One the other hand, as convenient as it is, e-mail can also be incredibly frustrating. With the help of Usenet, we tracked down a knowledgeable source in Namibia, Africa, to fill us in on the state of affairs there. Unfortunately, however, after a short correspondence his messages stopped without warning. We were left without the information we were looking for and had no other way of contacting him.

Ironically, both the beauty and the hindrance of e-mail—depending on whether you're sending or replying—is that you can't force a person to reply.

We could have put together this issue without using e-mail and the Internet—after all, fax machines, courier services, and the telephone were more than sufficient just two years ago. The question is, would we have? Probably not. The cost, efficiency, and immediacy of the Net, however, made it surprisingly easy.

The Web's no polyglot—yet

• • By ALAN THWAITS • •
(Additional research by LAUREN BLANKSTEIN)

If you believe everything you've read about the Web, you might think that it's the long-awaited doorway to effortless world-wide communication. The press regularly falls over itself proclaiming the Web to be a "seamless whole." But is that true? Is the Web "culture blind," or, as some have begun to argue, is it as prone to bias as traditional media?

Let's consider the problem by using the familiar metaphor of travelling. Look at your bookmarked sites (if you're a Netscaper) or your Favourites list (if you use *Explorer*). Chances are that most of those sites will present themselves in English. Visiting those sites is like travelling on a packaged tour. Although the scenery changes, and those "outside" your immediate experience may be "different" from you, your experience of the Web will be in English.

Now, recall those splendid but unnerving times when you've travelled in a country where, not only was English not spoken, but the written alphabet wasn't in Roman script. Remember trying to decipher street signs in Greece? Or figuring out which was the men's washroom in a town in rural India? Or frantically trying to read the instructions on the bottle of medicine when you were in China?

Your bookmarked sites—of which you're justifiably proud—offer a similar experience for the cyberspace traveller who doesn't read English. For a taste of what that feels like, point your browser at the Internet Language Sites Web site, and visit a couple of the links listed there. Now imagine how you'd feel if *that* were your usual experience of the Web. Would the Web still seem to you to be a "global communications technology?" Or would you be tempted to start inveighing against "cultural imperialism?"

The stark reality is that the Internet has been, since its inception, a creature of the Western, English-speaking world. Even now, Net usage is weighted in favour of those whose first language is English and whose context is Western European. According to recent figures released by the Internet Society, 74 per cent of the Net's content is in English, while 14 per cent is in European languages, and the remainder in Chinese, Japanese, or Korean. As the Net has become popularized and commercialized, however, more and more users are demanding—and getting—alternatives to English.

Say again?

One option, of course, is translation software. To continue our metaphor, using this

continued on page 16

Regulating the Net in Asia

• • By SUE MULLEY • •

HONG KONG - The Internet is a boom business in Hong Kong and Singapore, and in China for the people who can afford it. There are probably more computers per capita in Hong Kong and Singapore than anywhere else in the world. Hong Kong may have more Internet service providers (ISPs) than in any other city. The Hong Kong government has adopted a laissez-faire attitude to the Internet and has not made any attempts to regulate it—there are no restrictions on access to sex and pornography.

While there are no planned attempts to regulate the Internet in Hong Kong after June 1997 when Hong Kong reverts to Chinese rule, there are concerns here about freedom of the press after that time, according to Anthony Slackey, development manager of technology at the Technology Centre, the University of Science and Technology in Hong Kong. The government in China has set up a dedicated department to control content on the Internet in China. Says Savio Chow, general manager for North Asia of Netscape Communications: "China is definitely concerned about controlling content on the Internet.

"Since there are only two entry points in China, namely Beijing and Shanghai, both under the Ministry of Post and Telegram they potentially can assert some control on the access using some proxy servers. However, any access through long-distance telephone calls or through dedicated lines will not be able to be controlled," Chow says.

Everything's under control?

The situation in Singapore is quite different. Laws are applied to local ISPs that make them liable for providing access to any "undesirable contents." Morality is a "very broad term" there, Slackey says. Explains Singapore's Lee Kheng Joo, who is CEO for ISP Supernet, the Singapore government's guidelines are similar to those for cinema and television, covering sex, violence, and religious harmony.

"I think Westerners have an entrenched stereotype view of the Singapore government and society. Can you talk about the Red Indians in the USA? Can you promote the IRA in Britain? What about the Lapps in Scandinavia or the Basque in France and Belgium, the Eskimos in Greenland and Canada?

continued on page 16

SEE MORE GLOBAL VILLAGE FEATURES ON PAGE 21

Vision

the ability to foresee and make
provisions for future events.

Faster communication. Improved productivity.
Increased sales. An insurmountable competitive advantage.

When you know where you're going,
iSTAR can get you there, faster.

As your business partner, iSTAR puts the power and versatility of the Internet to work for you, in both standard and custom-tailored applications.

We have a range of highly flexible Internet solutions that can realize your vision - clearly, accurately, reliably.

Enhance your Vision through the Internet.
Because what you see, can be.

1 888 GO iSTAR

iSTAR
INTERNET INC.
CANADA'S INTERNET COMPANY

www.istar.ca

HALIFAX QUEBEC CITY MONTREAL OTTAWA TORONTO CALGARY EDMONTON VANCOUVER

Tax time

Compiled by LARA THAIS KING

Once again, we asked the tax guys, John and George, to review the list of tax-preparation software for sale this year. They looked at a total of seven packages—plus an eighth product available for free via the Internet.

Some good news for this tax season is that the software packages seemed to have dropped in price since last year.

The reviews use a four-disk rating system based on ease of use, capabilities, and additional features that make the program more desirable.

Finally, most products this year have e-filing capabilities. The taxpayer is still unable to e-file directly to Revenue Canada, however. Returns have to be taken to a licensed e-file preparer, a $5-$25 expense.

The benefit of e-filing is that you may see your cheque from the government earlier. E-filing may not be worth the additional charge, though, depending on when you send. In March, you may receive the cheque about two days earlier, but it could be as much as two weeks earlier in April when the bulk of returns are sent off.

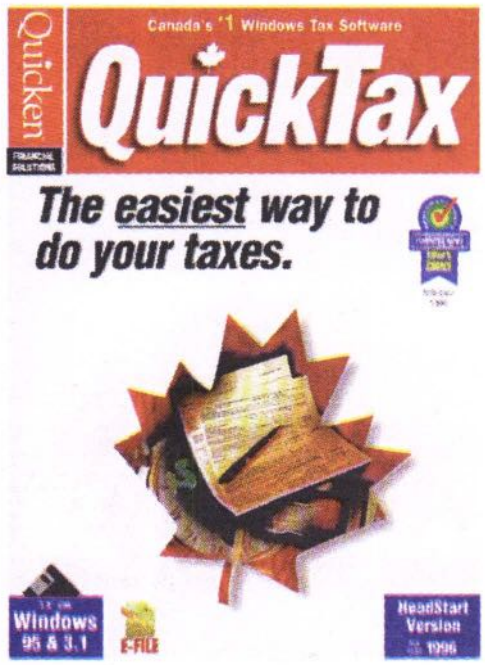
You may not be interested in all the bells and whistles available from these packages, but they all offer, at the very least, a better alternative to the traditional pencil method.

John Newcombe's reviews

All the software reviewed offers an accurate and easy alternative to preparing your tax return by hand. One product stands out, however: *QuickTax* from Intuit Canada. I found it was easy to use and visually superior to any of the other packages. Software is a matter of personal preference, though, so read on to discover the strengths and weaknesses of the seven packages for yourself.

QuickTax

This was my favorite program last year, and Intuit impressed me again this year with another well rounded product. There are even a few graphic enhancements for 1996.



The base version provides all the tax forms and online help, while the deluxe version adds a multimedia presentation for those who want more assistance in preparing their returns. Depending on your temperament, you may be pleased that the two tax experts are back in the deluxe version to guide you through your return—I find them annoying and turned them off, but they do add a personal touch and provide useful tips.

QuickTax has a very pleasant and easy-to-read interface—other software developers, take a look. The entry template for tax slips is in one location and is well laid out, and I was particularly impressed at how the system walked me through preparing the business income form.

One complaint is that the "auditor" process kept recommending I claim an Ontario Tax Credit even though I had already completed the form.

Overall, this product provides the best support for taxpayers of all levels from beginners to the most sophisticated.

CanTax

CanTax is the grandmother of tax software, with over ten years of experience. Last year's version tested the reputation of the product, however. The developers appear to have done their homework over the past year, though, and have produced a solid and apparently bug-free version for 1996.

The program provides very extensive help and tax advice. The tax information is well organized, allowing you to get context-sensitive help or look up a specific topic and go straight to the appropriate tax form.

The JumpStart automated preparation method is very logical, taking you step-by-step through the data-entry process and showing you how to use all the features available in the program.

The same poor interface as last year remains, however. Why do software developers love 6-point Courier as a screen font, which is small and hard to read? The icons on the toolbar are not very descriptive, either. Fortunately, the JumpStart screens tell you which icons to select.

GriffTax

If you are looking for a well designed, innovative product with good support features, *GriffTax* is worth considering. You can download the Mac-only software from the company and complete your return as usual, or you can prepare your return right on the Internet.

You will find the traditional route a well written program with all the usual help and tax advice features, including an excellent worksheet for calculating your RRSP contribution and exploring various contribution scenarios. The welcome page allows you to determine which forms you need to complete your return using simple descriptions.

The download process was not easy, however, and I required assistance to find the downloadable files.

The Internet route is interesting; you do not need to download any software, and it allows for a more direct approach in e-filing while still maintaining good security. If you use this service, you go to the *GriffTax* site and complete your return (you do not enter your name, so it remains anonymous), and pay for it using a secure commerce server.

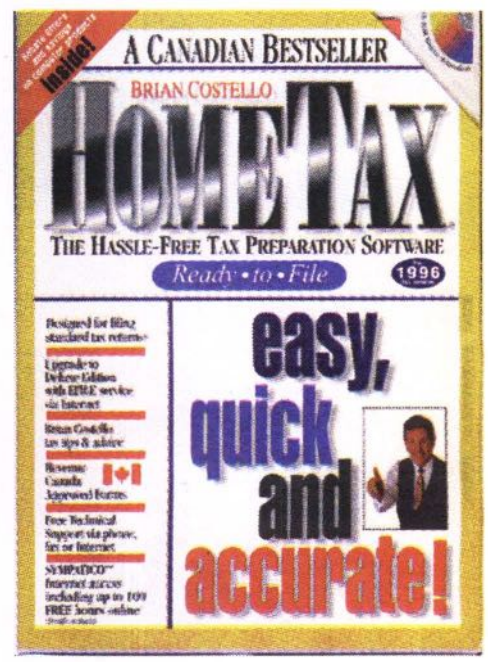
HomeTax

HomeTax is my second choice of the software surveyed. It provides excellent resource files and a good system to enter and check your tax data.

If you have a typical return, you can prepare and file it immediately, instead of having to wait for a final version. You will need the Deluxe version if you have rental or business income, however—something covered by the base version of the other software products.

The data-entry templates were easy to follow and nicely laid out, but *HomeTax* has the same poor interface characteristics as *CanTax '97*.

The "EasyStep" automated system takes you through all the forms and reminds you if you are missing any tax slips. If you use the form-by-form option, though, you are faced with an intimidating list of forms, organized by Revenue Canada form number, not description.



Icicle Tax

This is a very capable product with a very attractive price. I would recommend it for

continued on page 17

Information and privacy ...

continued from page 11

Vancouver-based office. "They're like the automobile, for instance: good if used wisely; dangerous if misused."

The current buzzwords in the technology industries are "data warehousing" and "data search"—and both are in stages of growth. Data warehousing involves the compilation and storage of huge databases of information—information that could well include your credit rating, driving record, criminal record, buying habits, medical information, and more.

What happens to this information once compiled? How is it used? To whom is it sold, released, shared, or traded? How is it stored, and how and when is it destroyed?

According to Evans, BC's current legislation addresses these issues within the public sector, but the need for regulation of the private sector is a fast developing topic.

Privitization equals publication?

As the government moves toward increasing privatization, new questions of privacy and information are raised. For example, when a government branch privatizes, its banks of information are no longer safeguarded by government regulations. Personnel files, containing such private information as medical records, union grievances, and so on, consequently become unprotected by law.

BC FIPA has concluded that growing political pressures, both national and international, are combining with steadily mounting public concern to make some form of regulation covering the private sector inevitable. "It's not a question of 'if,' it's 'when,'" Evans states.

"The issue for FIPA is how that decision will be made, and by whom, and what form that regulation will take. We don't want these issues to be decided by an elite...we believe that all voices should be heard, including members of the public as well as government bodies, bureaucrats, and industry."

Once again, it's a case of finding the balance between the rights of the individual and the rights of society. BC FIPA believes that a satisfactory solution can be achieved only if all stakeholders participate in the process.

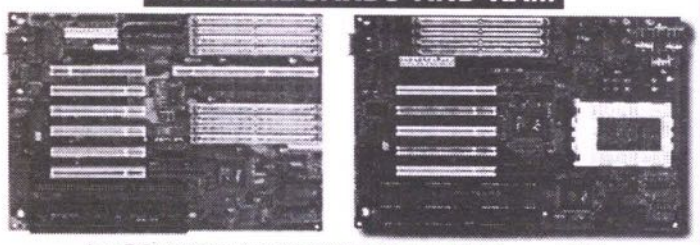
For more information about these or other prominent "hot issues," contact BC FIPA. ◆

AE ELECTRONICS CORP.

www.aeworld.com 138-2981 Simpson Rd, Richmond, BC Canada, V6X 2R2 Tel: (604) 279-8867 Fax: (604)279-5510

MasterCard VISA No Surcharge

MOTHERBOARDS AND RAM



Asus T2P4 MMX Pentium PCI MB, 256k PB cache, IDEIO	$190
Asus TVP4 MMX Pentium PCI MB, 256k PB cache, IDEIO	$180
Asus Pentium Pro 200Mhz PCI MB, IDEIO	$335
Asus Dual Pentium Pro 200Mhz PCI MB, IDEIO	$825
Intel Pentium 120/133/150/166/200MHz	$175/215/269/455/725
Intel Pentium Pro CPUs 180/200MHz	$765/995
30 Pin RAM 4MB	$35
72 Pin RAM 4/8/16/32MB	$35/55/115/225

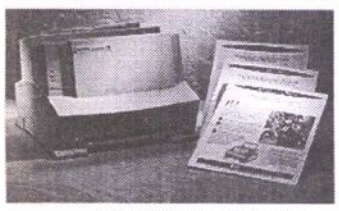
MONITOR AND VIDEO CARD

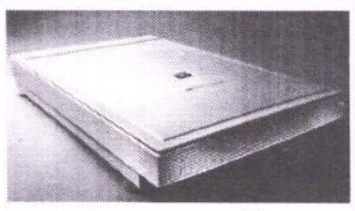
Daytek 1436/1536/1531/1731/1704/2102	$290/365/380/715/925/2125
ViewSonic 14"1000/15"655/15"656/1769/775	$349/496/535/769/915
ADI 15"4V/17"5V	$465/800
NEC CROMA-Clear 15"M500/17"M700	$705/1129
Sony SVGA monitor 17"200SX/17"200SF/20sf2	$975/1195/2315
ATI Video Boost PCI 1MB/2MB	$99/109
ATI 3D Xpression+ PC2TV 2MB/4MB	$185/245
ATI 3D Pro Turbo PC2TV, 4MB/8MB	$279/395
Matrox 3D Accelerator w/2MB Wram Mystique/Millenium	$249/275
Miro Video Capture board DC20/DC30	$825/1175

HARDRIVE, CONTROLLER

Seagate EIDE 1.2/1.7/2.1/2.5GB	$270/305/345/375
Seagate Hawk SCSI-2 1.08/2.1/4.3GB	$505/795/1379
Seagate Barracuda Ultra SCSI 2.1/4.3/9.1GB	$1085/1619/2795
Quantum Fireball Ultra SCSI-3 2.1/3.2GB	$509/705
Adaptec 2940 SCSI/Ultra/Ultra Wide	$280/300/455

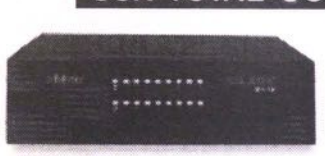
MODEM, PRINTER, SCANNER, CD-ROM, CASE

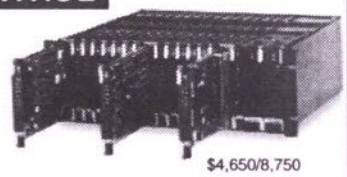




Logitech Serial or PS2 mouse	$85
USR Sportster fax/modem internal/voice (OEM)	$175/195
HP color inkjet printer 400C/680C/820/870CXI	$269/415/540/675
HP Laser Jet 5L/6P	$589/1035
HP Scan Jet 5P/4C	$549/1255
HP 6020I CD-ROM Writer (Just the Drive)	$775
CD-ROM Drives 8X/12X	$140/175
Heavy duty tower case with 250W PS 19"/25"	$125/225
ATX case 250W Power supply	$165

USR TOTAL CONTROL





NETSERVER modems 8/16	$4,650/8,750
Modem pool I-modem 8/16	$7,875/13,505
NETSERVER I-modems 8/16	$10,600/15,860
ENTERPRISE HUB, 48 digital modems, dual T1, Netserver card	$57,000

HIRING

We are a UBC contract vendor. Due to the continued increase in business we have positions opening in the marketing/sales and technical support areas. We are very busy, so no phone interview please. Please fax your resume to Tony.

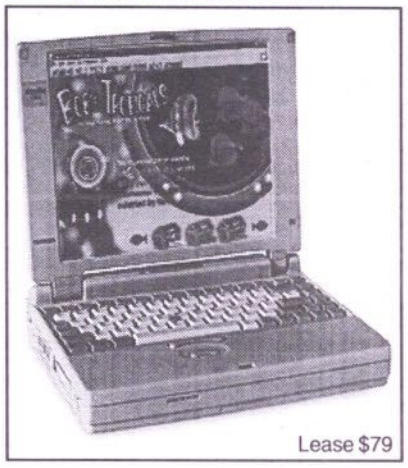
We are:

Digita OEM Partner
Accpac Gold vendor
Intel Processor Dealer
HP Netserver authorized
USR Total Control Gold Partner
Member of the Better Business Bureau

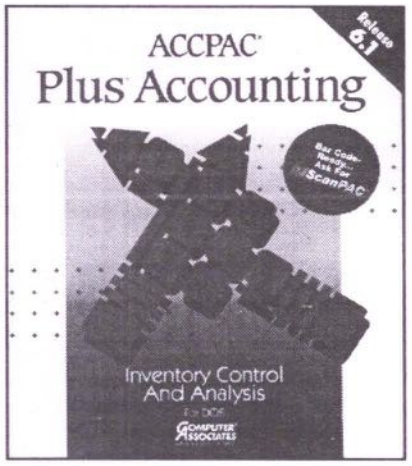
Our business:

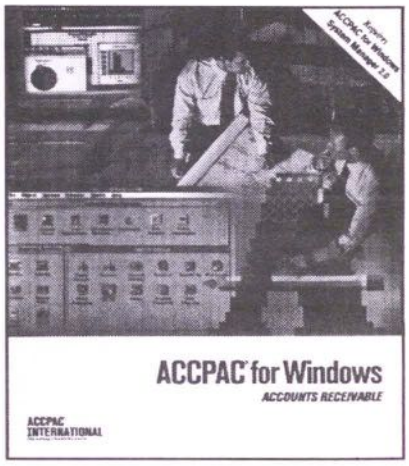
Computer Parts
Data Acquisition
computer Systems
Internet consulting
Computer Networking
Software Programming

$2245 Toshiba 110CS



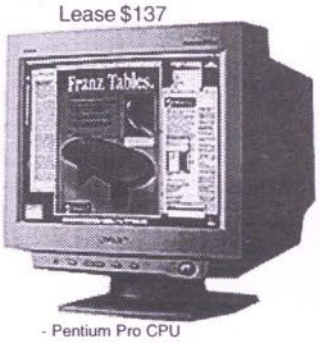
Lease $79





COMPLETE MULTI-MEDIA SYSTEMS WITH SPEAKERS, MONITOR AND WIN95 CD

$3875 PRO200
Lease $137



- Pentium Pro CPU
- 32MB 60ns RAM
- 256KB cache
- 1.44MB floppy drive
- 2.1GB Seagate EIDE
- 8x IDE CD-ROM
- Built-in EIDE controller
- Matrox 3D 2MB WRAM
- 17" Sony SX200 monitor
- 19" heavy duty case
- 250W Power supply
- Enhanced keyboard
- Microsoft mouse
- SoundBlaster 16 PnP
- Amplified speaker set
- Windows 95 on CD

$2955 AE166
Lease $104

- Intel Pentium CPU
- 32MB 60ns EDO RAM
- 256KB PB cache
- 1.44MB floppy drive
- 2.1GB Seagate EIDE
- 8x IDE CD-ROM
- Built-in EIDE controller
- Matrox Millenium 3D
- 17" ViewSonic monitor
- 19" heavy duty case
- 250W Power supply
- Enhanced keyboard
- Microsoft mouse
- SoundBlaster 16 PnP
- Amplified speaker set
- Windows 95 on CD

$1995 AE133
Lease $70

- Intel Pentium CPU
- 16MB 60ns EDO RAM
- 256KB PB cache
- 1.44MB floppy drive
- 1.7GB Seagate EIDE
- 8x IDE CD-ROM
- Built-in EIDE controller
- ATI 2M MPEG VGA
- 15" Daytek monitor
- 19" heavy duty case
- 250W Power supply
- Enhanced keyboard
- Microsoft mouse
- SoundBlaster 16 PnP
- Amplified speaker set
- Windows 95 on CD

Areas of Expertise

Windows 95

Windows NT

Novell Netware

Share Fax

Remote Access

Remote Control

ACCPAC Accounting

We do on-site service and support. Call our friendly staff for all your computing needs.

info box

Internet Language Sites
http:////l-channel.com/l-lnk/relatedsites.html
Globalink http://globalink.com/home.html
Sakhr Software http://www.sakhr.com/
Zi Corporation http://www.zicorp.com/

The Web's no polyglot – yet ...

continued from page 12

kind of application is like the traveller making an effort to learn the language. Sure, it may not be perfect, but it lets you encounter the "foreign" environment on its own terms, so that the burden of making sense of things is laid on you. A good example is *Web Translator*, a Windows-compatible program that translates Web sites written in Spanish, French, or German.

But this tool doesn't really address the issues of Web *production* from a non-English base. The Sindbad Arabic browser plug-in for *Netscape Navigator 3.0*, from Cairo's Sakhr Software, takes the bull by the horns by starting from an Arabic base. It features an Arabic/English interface for Arabic Windows 95, the ability to run over English Windows 95 with English interface only (but supporting all other Arabic features), and multiple code page detection and conversion, including Arabic Macintosh documents.

Zi Browser, from Calgary's Zi Corporation, goes a couple of steps further. It allows access to both Chinese character-based and Latin alphabetic languages. *Zi Browser* users can view Web-site contents in Simplified and Traditional Chinese, Japanese, and Korean concurrently with Latin alphabets.

More (and higher quality) Web-translation tools will make browsing Webspace a more international experience.

The emergence of technologies such as Sindbad and *Zi Browser* will empower those from non-Western cultures. Even so, unless other issues such as control of bandwidth, ownership of regulatory bodies, and cost of access are addressed, software solutions may remain mere bandages. ◆

1+0=10

1 month trial internet membership

+

0 registration fee

=

$10.00

Call now for this no obligation trial offer.
Don't pay the registration fee until you sign up for a regular membership.

MIND LINK!
A division of iSTAR internet inc.

phone: 668 5000
fax: 668 5028
e-mail: info@mindlink.net
web: http://www.mindlink.net

MIND LINK! members: earn free online time with our member referral program. Call 668-5000 for more information.

Regulating the net in Asia ...

continued from page 12

"Would the editors of the world allow the Chinese people to talk about how the Westerners pillaged China 100 years ago and why Japan was not made to apologise for the War during the years of the United States' administration of China? In short, there is no such thing as freedom of the press, the editors would not allow it.

"Not everyone can handle such sensitive discussions without getting worked up."

The Singapore government is using proxy servers to regulate the Net. ISPs have to install a proxy server and dial-up customers have to take the route through the proxy server, Lee explains, adding "My enjoyment of the Web does not diminish." Corporate leased lines in Singapore could go straight to the World Wide Web, however, and larger companies have their own guidelines and policies on Internet access by staff.

Interestingly, voice communication over the Internet in Singapore has been ruled not to infringe on the license of the local telephone company, Singtel, which Lee describes as a "surprising move."

Too much of a good thing?

In Hong Kong, there are probably more ISPs than in any other city and this could become a problem. "It's not a hugely profitable business," Slackey says. Some of the smaller ISPs are offering unlimited access for as little as US$10 a month. Slackey predicts a shakeout of ISPs, especially as the "people with financial clout" like AT&T, IBM Supernet, and Hong Kong Telecom provide increasingly advanced services. "If other ISPs are not in a position to match these services they will disappear," Slackey predicts.

Currently one of the major problems facing Hong Kong residents is international roaming, as many local ISPs do not have such a service for those travelling overseas. Oversubscription to ISPs was a problem a couple of years ago in Hong Kong, but as modem lines have become less expensive this has been overcome. At certain times of the day however, it can still be quite slow accessing information from overseas, especially the United States, Slackey says.

Sue Mulley is a freelance writer based in Hong Kong. ◆

Tax time ...

continued from page 14

more advanced users, as it does not provide as much assistance as other products.

This program uses files for either *Microsoft Excel* (version 3 for Mac and version 5 for Windows) or *ClarisWorks* as the platform for the tax-return template. You download the files from the *Icicle Tax* Web site. As the product "piggybacks" on other software, the files are small (about 180 KB) and easily downloaded and installed.

The interface is very good and I found it easy to navigate around and very reasonably priced for a full featured product.

On the down side, the help files were not as extensive as in other tax packages. In addition, it did not offer an "automated entry" approach to walk you through preparing your return. You must have either *Microsoft Excel* or *ClarisWorks* on your computer—although it works equally well on either Mac or PC.

Quick Returns

This is the only DOS-based product reviewed, so it suffers in comparison to its GUI-based competitors. Nevertheless, it does have the lowest system requirements of any product reviewed here, and is ideal for taxpayers using DOS with limited computing power—otherwise there are better choices.

Quick Returns has good online help available, and an "Expert Auditor" ensures your return is accurate. There is also an easy setup to e-file your return.

Data entry is awkward, as the supporting schedules do not automatically transfer their data to the main form; you must manually re-enter the information.

The DOS-based interface and the colour choice made the screen very difficult to read.

Sonic Tax

This is another product available by download from the Internet. The file is about 2 MB, so a fast connection to the Internet is recommended. *Sonic Tax* is a capable program, although it does not offer all the tax advice and help that the "retail" software packages offer (at about the same price). This product would be suitable for knowledgeable taxpayers who like the convenience of dealing over the Internet.

Although I tested the 1995 version of the program, I was assured that the final 1996 forms would be available by press time. The forms you complete look like the tax forms you receive, which make it seem more natural.

Each of the lines on the T-1 return has a box with the referencing form number. The box also links you to that form. The setup can be customized for the individual needs of the taxpayer.

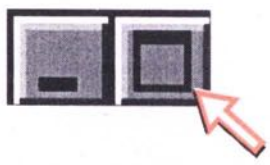
The flow of information entry on the schedules was poor, however. It did not proceed from section to section and the information was not automatically entered in all the required fields (for example, on the business-income section, the data from the home office and capital cost allowance sections was not entered in the applicable expense line).

CoolTax

FLS Research, makers of professional tax-preparation software, have decided to make a slimmed down version of the product available for download free off the Internet. I have to admit, I am always suspicious of something that seems too good to be true. Still, *CoolTax* does do a credible job of preparing returns and you cannot beat the price.

As might be expected, there is no technical support for *CoolTax*, except what is found in the online help, which is well designed. The tax advice is also good. There is no support for e-filing returns, though, and you do not have all the bells and whistles

continued on page 18



There is absolutely no point in putting up a Web page unless you are willing to let people know it's there.

SO,

promote your site in everything you do from our

WWW BusinesS MaP

to your business cards!

If you agree, Tell others

If you don't, Tell us

a printed directory of business internet addresses

categorized listings of canadian business web sites for less than $1 per day

for more information, call (604)738-7577
or visit our site at http://www.zeven-inc.com

a creation by Zeven Enterprises Inc.

Tax time ...

continued from page 17

you find with other programs.

I am still not sure I understand why FLS is doing this, but it does provide an excellent choice for anyone looking for a very inexpensive way of preparing their return that is clearly better than doing it by hand.

John Newcombe is a CMA and can be reached via the Internet at http://web.idirect.com/~Newcombe/ ◆

George Petricko's reviews

Nothing is certain but death and taxes. It is also a certainty that the preparation of tax returns has never been exactly a joy for any taxpayer. This year, however, the tax-software industry has provided many excellent packages that contain an *embarras de choix* of features to take the guesswork out of RRSP calculations and planning, and make the preparation of tax returns, if not pleasant, at least fairly effortless.

CanTax

An excellent comeback from a poor performance last year.

CanTax's online manual and help file are excellent. In an attempt to help the user to better understand how the program works, *CanTax* has provided a very detailed User's Guide.

CanTax can process multiple returns, up to a limit of 15, and provides for the simultaneous processing of spousal returns. The software also displays the refund or balance due at the bottom of the screen.

Information from *Quicken* and *MS Money* can be imported into *CanTax*.

CanTax allows for customization of the work environment, such as edit preferences, menu style, background colour, toolbar button size, and toolbar position.

Their RRSP Work Sheet is still very confusing and difficult to work with, however. *QuickTax*'s RRSP Analyser is a far superior feature.

HomeTax

A consistent performer—no surprises here!

HomeTax is available on three diskettes or on a CD-ROM. The CD-ROM version comes with tax advice from Canada's svengali of financial counselling, Brian Costello.

HomeTax can process multiple returns up to a limit of 16. *HomeTax* also provides a very innovative and fun feature that allows the user to reconfigure the mouse pointer to appear as a male or female icon. The confusion that inevitably arises from working on two (spousal) returns simultaneously is thereby all but eliminated.

HomeTax has a new conversion option to convert 1995 *QuickTax* Personal Information into the *HomeTax* file structure format. Only taxpayer's, spouse's, and dependant's information can be converted. *HomeTax* has not provided detailed documentation on this procedure.

Information from *Quicken*, *MS Money*, and *Royal Bank Managing Your Money* can be imported into *HomeTax* and the EasyPrep method gives the user a great deal of step-by-step coaching on the preparation of the income tax return.

Quick Returns

Quick Returns has been making excellent DOS tax-preparation programs since 1987.

It can run on a system as small as a 286 or 386 PC, thus making tax software available even to those taxpayers working on older equipment.

Quick Returns allows for customization of the work environment, by allowing the user to configure the time for the program to carry out an autosave. Screen colours, drives, directories, and printer selection are also all at the command of the user.

Users with multiple T-slips can use the calculator to total the various boxes and once

continued on page 19

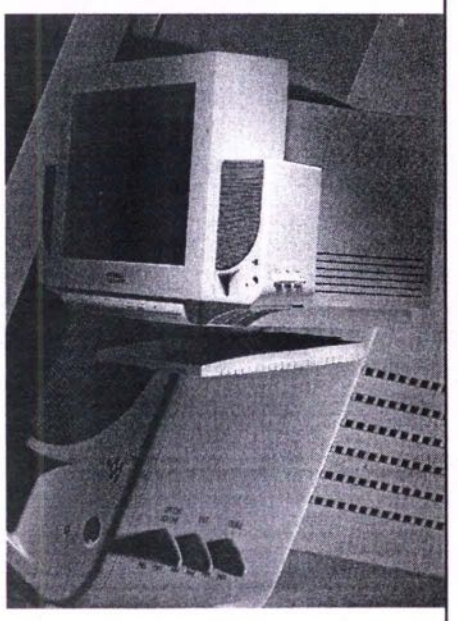
AretêComputers

Est. 1988 *Helping people & computers work together*

IBM Business Partner
Value Added Remarketer

This Months Special

Aretê 166+
6x86 P166+ MHz Processor
16 MB EDO RAM
256K Pipelined Cache
Fujitsu1.44MB 3.5" FD
Fujitsu 2.0 GB HD (10m/s)
12xCD-ROM
Acer AW32 Pro16 bit PNP Sound Card
Matrox Mystique 3D w/2MB SGRAM
US Robotics 33.6 Fax/Modem/Voice
BTC 104 **Win 95** Keyboard
Logitech 3 Button Mouse
Windows 95 CD SR2
Works for Windows 95
17" **Hyundai** DeluxScan 17MB Color Monitor with Speakers
Mini Tower Case
Warranty 2 Years Parts & Labour
$2,099



Performance Plus
A Powerful Choice

» Blaze through Windows applications
» Cruise the Internet
» Run advanced multimedia

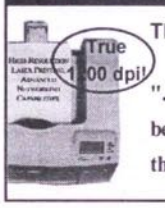
The Cyrix 6x86 is fully comatible with Windows® 95, Windows® NT, Windows® 3.1, DOS, IBM® OS/2, Novell® and UNIX®, plus the most popular business applications, utilities, graphics programs and games.

Norton SI v. 8.0
6x86 P166+ 901
Pentium 166 526

IBM ThinkPad 365XD

100MHz Pentium® Processor
Only $ 2,999
- 10.4" DSTN SVGA Display
- 810MB Hard Drive
- 8MB EDO Ram
- 4xCD-ROM
- 16-bit Sound Card
- Windows 95
- Lotus SmartSuite 96
- PCI System Bus

LEXMARK Optra R+



The Best Laser Printer
"...this is the best printer on the market".

NEW Mitsubishi 67TXV

17" Diamontron CRT
0.25 Aperture Grille Pitch
1280x1024@64 Hz
135 Mhz Video
Autoscan range of:
30 - 86 kHz Hor.,
50 - 130 kHz Vert.
$1,099

Call for Current Pricing, Prices Subject to Change Without Notice

AretêComputers
2445 Cambie St., Vancouver, B.C. **Tel: 873-2440 Fax: 873-9167**

CP! Calendar of Events

March 16

Compuchange Computer Show. From 10 AM - 4 PM at the Firefighters' Club, 6515 Bonsor Ave., Burnaby, BC. Contact: (604) 438-1094 or (604) 438-6114.

March 24-25

Annual Software Practitioners Conference. At the Delta Vancouver Airport Hotel & Marina. Contact: (604) 662-8181 ext. 106 or e-mail jscott@spc.ca

April 8

Netcom Caravan '97. From 10 AM - 5 PM at the Vancouver Trade and Convention Centre, 999 Canada Place. Contact: (416) 621-8135 or visit http://www.netcom.plesman.com/

E-mail your event listing to calendar@tcpon.com or fax it to (604) 688-4680. Please include location, contact information, time, and date for our readers. For inclusion in the April issue, calendar information must be received by March 10. ◆

Tax time ...

continued from page 18

the totals are calculated, the user can paste these figures on the appropriate line of the T1 return.

A status line appears at the bottom of the *Quick Returns* screen displaying the amount of the refund or the balance owing.

Quick Returns provides for the processing of financial statements for real estate, business, and professional returns, as well as easy-to-follow RRSP work sheets.

QuickTax

This is the best Windows tax-preparation software this year, in my opinion.

QuickTax has the best organized context-sensitive online help of any of the products reviewed. The manual, however, is very basic, allowing the user the opportunity to install and become familiar with the features of the program before proceeding with the return itself. This is a practical approach to tax preparation, because the user is not overwhelmed at the outset with a great deal of tax information before he or she has had a chance to become comfortable with the program.

QuickTax can process multiple returns up to a limit of 18. Detailed returns—with income from sources other than only, for example, employment and investment—can be processed with this package. It can also process spousal returns simultaneously. *QuickTax* imports from *Quicken* versions 4 to 6 for Windows.

QuickTax has this year introduced an RRSP Analyser and a Graphical Tax Summary. These new features represent major improvements in the *QuickTax* package.

SonicTax

A promising newcomer from Alberta, this 600 KB zipped file can be downloaded from the *SonicTax* Web site. With the exception of Quebec, *SonicTax* can process T1 federal income tax returns for users residing in all Canadian provinces and territories.

SonicTax's simple interface consists of three windows: the first provides the file, form instructions, and help commands; it also shows the amount owing or refund payable on the user's return. The second provides for T-Slip form selection, and the T1 is displayed in the third window.

SonicTax provides for entry of information from the user's T-Slips into replicas of Revenue Canada T-Slips. *SonicTax* does not impose a limit on the number of returns a user can prepare using its tax software.

Despite being a powerful tax program, *SonicTax* occupies very little hard drive space. The program has been written with the home user in mind, but it is capable of processing more complex returns, such as those for businesses, professionals, and taxpayers declaring rental income.

SonicTax also has an excellent RRSP calculator.

For the 1996 tax season, *SonicTax* plans to release a 32-bit version of this program for Win95.

CoolTax

With *CoolTax*, you get something for nothing—but not a great deal. This new tax-preparation program, which can be downloaded from FLS Research's Web site, is a stripped-down version of FLS's professional tax program, *Taxbyte*. The 2.6 MB "zipped" file installs at 5 MB.

When *CoolTax* is launched, very large icons for the options "New Return," "Family Return," "Tutorial," and "Help" appear on the screen monitor. This gets the user off on the right track at the very beginning. *CoolTax* also provides for the preparation of spousal returns.

The icons for several features found in *Taxbyte*, the professional version of *CoolTax*, are shown on the screen. When the user clicks on one of these icons, however, he or she will find that it is unavailable in the abbreviated *CoolTax* program. Attempts to use these features will be thwarted. Many users will find this very frustrating and annoying.

CoolTax does have an excellent online tutorial guiding the user through the preparation of sample returns for an individual taxpayer and for a family.

George R. Petricko, Computer Consultant and Licensed E-file Preparer, can be reached via e-mail at grp@planeteer.com ◆

info box

Cantax '97, from Softkey Software Products Inc. Windows 95 or 3.x. $36.95 (SRP). Available via retail. For more information, call 1-800-265-3800 or visit http://www.cantax.com/

GriffTax, from Colin Griffiths and Associates. Mac and Windows. Bilingual. $39.95. Available via the Internet. For more information, call (613) 839-2455 or visit http://www.grifftax.com/

Home Tax, from Softkey Software Products Inc. Windows 95 or 3.x. English and French. $24.99 ($29.99 Deluxe). Available via retail. For more information, call (905) 624-0303 or1-800-567-1117, or visit http:// www.hometax.com/

Quick Returns, from QR Software Corporation. DOS. $34.95. Available from the company. Call (416) 626-9282.

QuickTax, from Intuit Canada Inc. Windows 95 or 3.x and Mac. English and French. $29.88 ($39.88 Deluxe). Available via retail. For more information, call 1-800-825-8169 or visit http://www.intuit.com/canada/quicktax/

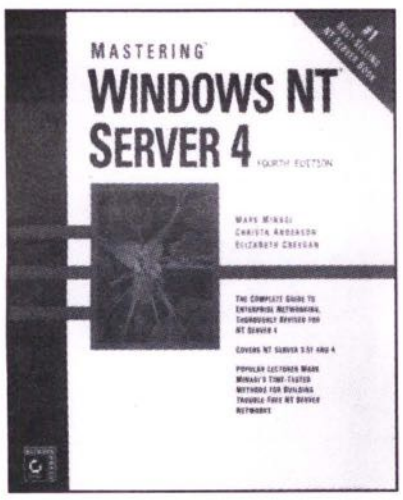
Sonic Tax, from Taxbusters. Windows 95 or 3.x. $29.95. Available via the Internet. For more information, call 1-800-287-0978 or visit http://www.taxbuster.com/

Icicle Tax, from Icicle Software. Windows 95 or 3.x and Mac. $15. Available via the Internet. For more information, call (613) 992-6287.

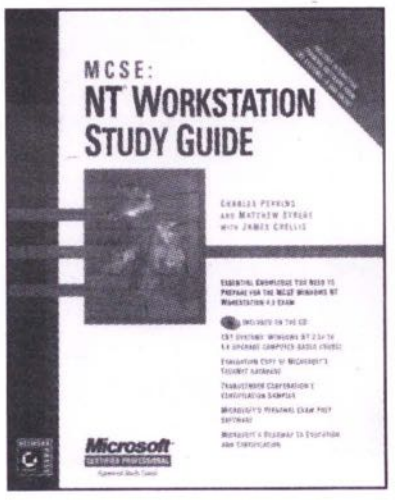
CoolTax, from FLS Research Inc. Windows 95 and NT (32-bit version) or 3.x (16-bit version). Free. Available via the Internet. For more information, call (416) 490-8997 or visit http://www.cooltax.com/

New Books From Sybex

New Fourth Edition!

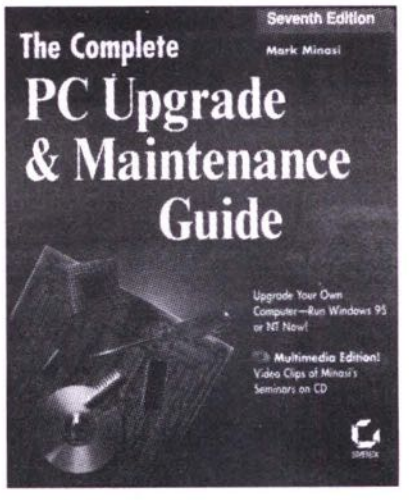


Secrets, undocumented features and essential operations of the New Windows NT Server.
1200 pages $75.00



For the important MCSE, MCSD or MCPS certification. Includes test simulation program on CD.
656 pages $69.95

New Seventh Edition!



A Classic - newly revised, rewritten and updated for any PC user. Includes 2 CD's:
A professional upgrade video clip and PC Tuning.
1400 pages $77.00

Top Quality! Best Service! Low Low Price!

MultiLink 73

Computers & Communications Inc.

6X86 Systems

Cyrix 6x86 P120+/150+/166+ CPU
Triton Chipset MB w/Built-in EIDE
Ctrl & Fast I/O, 256K PB Cache
8MB RAM (exp. 128MB)
1.2 GB EIDE Hard Drive
1.44MB Floppy Drive
PCI Video Card w/1M Memory (exp. to 2M)
14" NI, LR, SVGA, 1024x768 .28 Monitor
Mini-tower Case w/200W PS
104 Win'95 Enhanced Keyboard
Logitek 3B Mouseman

$969/$989/$1059

Pentium Systems

Intel Pentium **75/ 100/120** MHz CPU
Triton Chipset MB w/Built-in EIDE
Ctrl & Fast I/O, 256K Pipe-line Burst Cache
8MB RAM (exp. 128MB)
1.2GB EIDE Hard Drive
1.44MB Floppy Drive
PCI Video Card w/1M Memory (exp. to 2M)
14" NI, LR, SVGA, 1024x768 .28 Monitor
Mini-tower Case w/200W PS
104 Win'95 Enhanced Keyboard
Logitek 3B Mouseman

$969/$979/$999

Pentium Plus Systems

Intel Pentium **133/150/166/200** MHz CPU
Triton Chipset MB w/Built-in EIDE
Ctrl & Fast I/O, 256K Pipe-line Burst Cache
16MB E.D.O. RAM (exp. 128MB)
1.6GB EIDE Hard Drive
1.44MB Floppy Drive
ATI Mach64 Video Card w/1M DRAM
15" NI, LR, SVGA Proview Monitor
Mini-tower Case w/230W PS
104 Win'95 Enhanced Keyboard
Logitek 3B Mouseman

$1309/$1389/$1539/$1839

Pentium Pro Systems

Intel Pentium Pro150/180/ 200 MHz CPU
Triton Chipset MB w/Built-in EIDE
Ctrl & Fast I/O, 256K Pipe-line Burst Cache
32MB E.D.O. RAM
2.5GB EIDE Hard Drive
1.44MB Floppy Drive
ATI Mach64 Video Card w/2M DRAM
15" NI, LR, SVGA Proview Monitor
Mid-Tower Case w/230W PS
104 Win'95 Enhanced Keyboard
Logitek 3B Mouseman

$1918/$2218/$2418

Upgrade Options

8MB to 16MB $49
16MB to 32MB $109
1.2GB-->1.6GB-->2.0GB HD.....$30/$30
2.1GB-->2.5GB-->3.0GB HD.....$30/80
14" to 15" monitor $90
Use Gigabyte/Asus M/B $40/80
Multimedia 10/12/16 X Kit....$249/269/$359
Including 10**X/12X/16X** CD-ROM
16 Bit Sound Card
Multimedia Stereo Speakers
48 CD titles with encyclopedia
Internet Ready upgrade:
Internet Package $20
33.6 Fax Modem $95

Pentium is a registered trademark of Intel Corp.

Memory

30 Pin 1M.....$10
30 pin 4M $31
72 pin 4M $26
72 pin 8M $49
72 pin 16M $109
72 pin 32M $209
72 pin 4M EDO $26
72 pin 8M EDO $49
72 pin 16M EDO $109
72 pin 32M EDO.....$209
168 pin 16M/EDO.....$109/$119

Motherboard w/ CPU

5x86 75/100 MHz $149/169
Pentium 75/100 MHz $245/255
Pentium 120/133 MHz $275/325
Pentium 150/166 MHz $405/555
P200/6x86/Pentium pro.....$799/Call

Hard Drives

1GB/1.2GB EIDE HD.....$229/$249
1.6GB EIDE Hard Drive $279
2.0GB EIDE Hard Drive $309
2.5GB EIDE Hard Drive.....$339
3.1GB EIDE Hard Drive.....$419
4GB/5GB EIDE HD.....$529/$649
1.08GB SCSI-2 Hard Drive $319
2.1GB SCSI-2 Hard Drive $629
3.1GB SCSI-2 Hard Drive $1099
4.2GB SCSI-2 Hard Drive $1249

Printers / Scanner

Canon BJ-30/240C/4100C.....$279/$249/299
Canon LBP 460 laser.....$379
HP DeskJet 400/680/690C.....$269/$388/$459
HP DeskJet 820Cxi/870C.....$509/$638
HP LaserJet 5L/5N.....$569/1979
HP LaserJet 5/5M/5Si.....$1709/2359/3669
HP LaserJet 5MP/4M+ .....$1370/$2610
HP 4V/4MV/1600C.....$2580/$3819/$1819
HP 6P/6MP.....$979/$1259
Brother HL-641, 300dpi, 6ppm.....$389
Brother HL-730, 600dpi, 6ppm.....$439
Brother HL-1660, 1200dpi, 12ppm $1399
Epson Stylus IIs/500/Pro.....$229/$379/529
OkiData 600e/610e/810e.....$549/$679/$1010
HP ScanJet 4S/4P/4C.....$269/$649/$1119
Logitech Page Scanner.....$399

HD Controllers

VLB EIDE Controller.....$27
Adaptec 1520/1522 SCSI Ctrl .....$85/$90
Adaptec 2940 SCSI Ctrl $235
Adaptec 2940W SCSI Ctrl $269
Adaptec 3940 SCSI Ctrl.....$509

Tape/Zip/Jaz Drives

Iomega Zip Drive, 100MB, SCSI/Para...$249
Iomega Jaz Drive, 1G, Int/Ext.....$505/$625
Zip 100MB/Jaz 1GB Disk.....$18/$125
Colorado T1000, 800MB Int/Ext...$179/$229
Colorado Jumbo 1.3 GB $299
Corner Int. 420MB/800MB .....$149/$179

Monitors

Proview 14"/15"/17" .....$249/$339/$629
Daytek 14"/15"/17" .....$269/$339/$659
Acer 14"/15"/17" .....$299/$399/$749
MAG 15" DX1595/T .....$465/$509
MAG 17" DX1795/T.... .....$839/$959
ADI 4V 15"/5V 17" $499/849
NEC 15XV+/XE15/XP15 .....$599/$745/$845
NEC 15" C500/M500.....$549/$679
NEC 17XV+/XE17/XP17.....$1095/$1335/$1435
NEC 17" M700.....$1095
SONY 15SF II/SX.....$619/$529
SONY 17SF II/SE .....$1119/$1379

Video Cards

Trident 9440 VLB/PCI, 1M .....$75/$33
Cirrus Logic VLB/PCI, 1M .....$79/$39
S3 Trio 64, 1M/2M D .....$49/$69
S3 Virge 3D, 2M/4M.....$79/$119
ATI Mach 64, 1M/2M D .....$79/$99
ATI 3D Xpression, 2M DRAM.....$139
ATI 3D+, 2M/4M SDRAM.....$169/$199
ATI 3D+, PC/TV, 2M/4M SDRAM.....$189/$219
ATI 3D+, ProTurbo, PC/TV, 4M/8M...$279/$399
ATI Mach 64, 2M/4M V .....$229/$349
ATI TV Tuner Card.....$139
Diamond Stl 64, 1M/2M D .....$95/$115
Diamond Stl 64, 2M/4M V .....$249/$319
Diamond 3D 2M EDO RAM.....$149
Diamond Edge 3D 1M/2M D.....$179/$199
Matrox Millenia 2M/4M W.....$249/$345
Matrox Mystique 3D 2M/4M.....$189/$239

Multimedia

16 Bit PnP Sound Card $39
Sound Blaster 16 PnP/32PnP.....$89/$145
Sound Blaster 32/64 AWE.....$169/$269
Panasonic CD-ROM 8x.....$129
Mitsumi CD-ROM 8x.....$129
Toshiba CD-ROM 8x.....$139
Sony CD-ROM 8x.....$139
Pioneer 12x SCSI CD-ROM.....$229
NEC 4x SCSI CD-ROM.....$149
HP Surestore 4020i CD-Writer.....$1025
Sony 924S CD-Writer.....$779
Blank recordable CD.....$11

Modems

33.6 Kbps Int. Fax/Data $95
33.6 Kbps Int. Voice/Fax/Data $105
28.8 Kbps Int. Fax/Data $89
28.8 Kbps Int. Voice/Fax/Data $109
Supra 33.6 Int. Voice/Fax/Data $135
USR 33.6 Kbps Int. Fax/Data $149
USR 33.6 Kbps Int. Voice/Fax.....$169

Cases/Keyboards/Mouses

104 Windows 95 keyboard $20
Fujitsu 8725/4725 .....$30/$55
Logitech MouseMan Serial $33
Logitech MouseMan Bus $89
13"/15" Tower Case w/200W .....$47/$57
19"/25" Tower Case w/230W .....$67/$97

At MultiLink Computers, we are fully committed to provide you with not only top quality products at low low price, but also excellent service. So whenever you need a system or upgrade/repair, come to see us. Our professional and friendly staff will do whatever they can to meet your needs.
Your Total Satisfaction Is Our Goal!

Business Hours

Mon.-Fri.: 11:00am-6:00pm
Sat.,Sun.: 11:00am-4:30pm

150-12591 Bridge port Rd., Richmond, BC, V6V 1J4
10 - 12851 Bathgate Way, Richmond, BC, V6V 1Y5
(Just to the south of IKEA furniture store's parking lot)

Tel: 278-6805 Fax: 278-6653

Limited quantity. All prices are cash discounted and subject to change without prior notice
All systems have one year Parts and three years labor limited warranty

Overcoming *distance*

• • By SHARI LESLIE SEGALL • •

PARIS - Jane and I are running partners. While running, we share thoughts, ideas, opinions. We think about what each of us has said during one of our animated conversations. We concentrate together on the elements that go into a good work-out plan. I've even helped Jane train for and finish her first marathon.

We don't live in the same neighbourhood, though. We don't live in the same city. Or country. Or even continent. In fact, we have never met—in person, that is.

Thanks to the Net, however, Jane, who lives in Rochester, New York, and I, an American who lives in Paris, France, now cannot imagine what running would be like without each other's friendship and support. This is how it all happened:

I wanted an "I Was Published In *Runner's World*" t-shirt. I e-mailed a couple letters to the editor. They weren't published. No t-shirt. I wanted one at any cost. I e-mailed some more letters to the editor. I'm not even sure these weren't deleted from the in-basket before being read. No t-shirt.

I decided to stop at nothing and in 1994 I ran my first marathon, in Paris, then hobbled right home and sat down at my word processor. I e-mailed a short piece to *Runner's World* about the glories of breezing through kilometre 5 at the doorstep of Notre Dame and suffering through kilometre 32 in the shadow of the Eiffel Tower. *Runner's World* sent me a polite reply. You guessed it: no shirt.

Being a marathoner and therefore not one to give up, I wrote again in the spring of 1995. Before long, the snail-mail started showing up. The t-shirt came first. Then the June issue of the magazine, with my letter. Then a postcard with a phone number and the following message: "Dear S.L.S.: Somebody e-mailed me about your letter in *Runner's World* because they know I live in Paris and I also run. So, just out of curiosity I looked up your address. Want to run some morning?"

I went straight for the phone. Robert and I spoke for awhile, met at the Luxembourg Gardens that Sunday for a run and became good friends. During one of our long summer loops along the Seine between the Louvre and the Bastille, it dawned on Robert that something was missing: the spark that had brought us together in the first place. Robert's sister Jane, who'd contacted him about my letter to the editor, needed to be brought into the circuit. He suggested that I e-mail Jane and encourage her in her preparation for the 1995 New York Marathon.

While electronic training had its drawbacks—not the least of which was my inability to see the way Jane moved and to make suggestions accordingly—its advantages were enormous. The very elements that frustrate online relationships focussing on phenomena such as flirtation and financial negotiation were those elements which facilitated Jane's success: no body language here to tell me that Jane just wasn't up to today's task; no tone of voice to transform her lack of motivation into hope for reprieve; no luxury of time to waste on chatting each other up about what next month's vacation plans are beginning to look like. Our cyber-sessions were one huge manifestation of the famous shoe manufacturer's motto.

One year and three marathons later (Jane's first, my third and fourth), we are inseparable e-training partners—and pals. During our respective morning runs, which take place 4,000 miles and six hours apart, we reflect upon the subjects of our frequent electronic conversations—from the value of rest days to the idiosyncrasies of family members; from which high-performance running shoes to try to which low-inspiration pastimes to avoid. Jane says it is unquestionable that her e-training partner and pal helped her get to and through her first marathon. I say it is unquestionable that my e-training partner and pal will help me get to and through my next.

Our dream, of course, is to run together, in person—ideally with Robert, whose frequent ocean crossings allow him to accumulate his share of miles with Jane (always e-described to me via his laptop from Jane's office) and kilometres with me (always e-reported to Jane via his desktop PC from his Paris apartment). Would our meeting be anticlimactic after all these months of sweating together in our computers and our minds?

"Not possible!" we tell each other. There's still so much more to explore. I am determined to find all the little hiding places where Jane stashes her water bottles along her rambling Rochester route. Jane looks forward to cruising under a pinkened sky playing ball with the sun over the Seine on a spring morning.

And then there's the most important business of all: I have this special t-shirt that I just have to show to my friend Jane...◆

Golden Top Computer Systems 581-4698

Reconditioned Photocopiers.....$499 & up

Used Hardware
LOTS IN STOCK

Used 1.44 floppy Drives	$20.00
External NEC SCSI CD-ROM	$175.00
ATI MACH 64 2MB on board	$65.00
Matrox Mystique	$150.00
Diamond Stealth 1MB VRAM	$65.00
ATI XL 24	$60.00
Mono VGA Monitors	$35.00

Factory Refurbished Monitors
3 Month Warranty

15" NEC 3FGX	$398.00
17" NEC 5FG	$749.00
21" NEC BIG SCREEN	$1100.00
21" VIEWSONIC *TRINITRON TUBE*	$1250.00

!!Over 100 used systems!!
Leading Edge Systems
(all System prices without monitor)

486 DX-33, 210MB hard disk, 1.44MB & 1.22MB floppy, 4MB RAM, VGA Video Card ONLY $459.99

VERY FAST DX-2-80,720 MB hard disk, 144 floppy, 8MB RAM, 2X CD-ROM with Multimedia VGA Video Card Just $649.99

Plus Dozens of Other 486 Systems
Tower and Desk Top Starting at $299

New Monitors

14" N.I. SVGA .28 dpi, 3 year warranty	$260.00
15" N.I. SVGA .28 dpi, 3 year warranty	$360.00
17" NEC VX+ **Hurry, FIVE ONLY**	$950.00

Great Prices Everyday

New 1,44 MB Floppy Drives	$34.00
Keyboard, Mouse, Tower Case	$59.00
Keyboard (101, or Windows '95)	$19.99
Mouse (3 Button)	$9.99
Sound Card (PNP Full Duplex)	$38.00
PCI Video S3 Trio	$49.00
12X CD-ROM	$170.00
8X CD-ROM	$150.00
4X CD-ROM	$90.00
4X4 CD-ROM	$115.00
Asorted CD-ROM Titles	$9.95
Speakers	starting at $4.99

6X86 Systems
Cyrix/IBM 6X86 P120+/150+/166+/CPU
Intel Chipset MB w/Built-in EIDE
Ctrl $ Fast I/O, 256K PB Cache
1.2 GB EIDE HDD
8MB RAM (exp. 128MB
1.44 MB floppy
PCI Video Card w/1MB memory (exp. 2M)
14" NI, LR, SVGA, 1024x768 .28 dpi Monitor
Mini-tower Case w/200W PS
104 Win '95 Enhanced Keyboard,
3 button mouse
$998/$1,078/$1,178

Pentium Systems
Intel Pentium 75/100/120 MHz CPU
Intel chipset MB w/Built-in EIDE
CTRL & Fast I/O, 256K PB Cache
8MB RAM (exp. 128MB)
1.2 GB EIDE HDD
1.44 MB Floppy
PCI Video Card w/ 1M Memory (exp. 2M)
14" NI, LR, SVGA, 1024x768 .28 dpi Monitor
Mini-tower CAse w/200W PS
104 Win'95 Enhanced Keyboard
3 button mouse
$1,109/$1,179/$1,249

Pentium Plus Systems
Intel Pentium 133/150/166/200 MHz CPU
Intel chipset MB w/Built-in EIDE
CTRL & Fast I/O, 256K PB Cache
16MB E.D.O. RAM (exp. 128MB)
1.6 GB EIDE HDD
1.44 MB Floppy
15" NI, LR, SVGA, 1024x768 .28 dpi Monitor
Mini-tower CAse w/230W PS
104 Win'95 Enhanced Keyboard
3 button mouse
$1,529/$1,642/$1,809/$2,029

Located in Super 8 Grocery 10269 - 128th Street, Surrey, B.C. V3T 5C9 Phone: 581-4698 Fax: 581-8382

Oasis
COMPUTER INC.

Express Micro Pentium 133 System
Intel Pentium 133MHZ CPU
586 ISA/PCI (Triton II VX Chipset) M/B
256K Pipeline Burst Cache
16MB EDO 60ns 72PINS RAM
Panasonic 1.44MB Floppy Drive
Fujitsu 1.7GB EIDE (Mode 4) Hard Drive
New ATI 3D Xpression 2MB Video Card
8X CD-ROM
ESS 1868 16 bit Sound Card
60W Power Speaker w/AC Adaptor
33.6Kbs Fax/Voice/Data Int. Modem
15" Mid-tower Case w. 230 Power Supply
104 Keys Windows 95 Keyboard
Microsoft 2B Mouse w/Pad
Windows 95
Microsoft CD Home Bundle
3 Yrs Parts and 5 Yrs Labor Warranty
$1,650

Upgrade:

Pentium 166 MHZ	$275
Pentium 166MHZ MMX	$363
Pentium 200MHZ MMX	$649

Video Card

S3 VIRGE 3D 2MB EDO RAM	$85
NEW ATI 3D PRO 4MB SGRAM	$260
ATI Mach64 3D SDRAM 2MB / 4MB	$155 /$190
Matrox Mystique 2MB/4MB SGRAM	$225 /$265
Matrox MGA Mill 2MB/4MB WRAM	$250/ $355

Hard Drive

1.0GB/1.6GB	$229/$275
Quantum 1.7GB / 2.1GB EIDE	$298 /$355

Monitor

TVM 14"/15"/17"	$259/$358/$695
Optiquest 15" V655 / 17" V775	$440/$845
Viewsonic 15" 15GS	$500
Viewsonic 17" 17EA/17GA	$840/950
Viewsonic 17" 17PS/PT770	$1,035/ $1,160
Viewsonic 21" PT810/P815	CALL

Multimedia

8X / 12X CD-ROM	$135/$160
JVC Rewritable CD-ROM w. 1 Media SCSI	$665
Sound Blaster 16 Sound Card	$85
Sound Blaster OEM 32/ AWE 64	$140 / $260

Back Up

Iomega Ditto 800MB Int / 2GB Int. Tape	$160/$215
Iomega Ditto 3.2GB Int. Tape	$315
Iomega 100MB Zip Drive Parallel/ SCSI	$260
Seagate 3.2GB Int Tape	$280

Printer

Best Buy Brother 760DX Laser Printer	$540
Cannon BJC-240	$249
EpsonColor 500	$379

Modem

Supra Express 33.6 Fax/Voice Int. Modem (OEM)	$135
U.S.R. 33.6 Fax/Voice Modem Int./Ext.	$ 179/$259
Acer 33.6 Fax/ Voice Modem Int./SVD Modem	$115 /$135

Scanner

Scanmaker E3 Flatbed	$460

Express Micro Machine & Tangent System
Coquitlam Authorized Dealer
3 years Canada wide warranty available
Computer Tutor is available... Windows 95, Office 95, Excel, etc.
Lease to own! Please Call more detail
Repair & Upgrade welcome, price subject change without notice
All items are the cash price.
Effective date from Feb. 28, 97 to March. 28, 97

2-555 Clarke Road, Coquitlam, B.C. Tel:931-8803 Fax: 931-8874
Mon. - Sat. 10:00 to 6:00 Sun. & Holiday Closed

Growing pains

• • By SIONA JENKINS • •

CAIRO—Ten years ago, Mona, a wealthy, young Cairene, turned 30. As she got ready to go for her birthday dinner, the doorbell rang. On the doorstep stood a man in a blue uniform. "Congratulations," he said, "you've got your telephone!"

"But I didn't order a telephone," she said. "Yes, you did," said the man. "Your father put your name down on the day you were born. And now it's here. Congratulations!"

This story, which happened to a friend's cousin, graphically illustrates the state of Egyptian communications technology a little over a decade ago. Outdated equipment and poor maintenance meant that even if you had a phone, placing a call was often time-consuming and futile.

Since then, a fibre-optic network has been installed throughout the country and the number of phone lines has jumped from less than 500,000 in 1981 to 4.25 million today. This year, the number will increase by 700,000, and by 1998, by one million lines a year.

continued on page 51

$10 per return

www GRIFFTAX com
ON THE WEB

Interactive tax return preparation
FULL SERVICE STARTING MARCH 1st

INTERNET LIGHTSPEED

$19.95 / MO. FLAT RATE ACCESS
OR
$9.95 / MO.

FULL T1

* NO SETUP FEE
* TECH SUPPORT
* LOW USER TO LINE RATIO
* MODEM SPEEDS OF 33.6 KBPS
* SOFTWARE INCLUDED

482-1190

http://lightspeed.bc.ca/
info@lightspeed.bc.ca

Division of Warlight Industries Inc. - since 1987

The grass is always greener, even in cyberspace

• • By TORSTEN SCHLABACH • •

MUNICH - Having access to technology and making use of it are two different things. Unfortunately, people who know how to use a technology often do not have access to it, and vice versa. One example of this phenomenon is the use of the Internet and its related telecommunications facilities in Germany versus the United States and Canada.

In a typical conversation of two arbitrary conference attendees, the guy from North America complains that the Internet is slow. This is usually when the German asks him: "Why don't you use ISDN to hook up?" While the US or Canadian citizen might not consider this option seriously, it's a fair question.

The German public telephone network is entirely digital behind the scenes. You can get a single analogue line, which will then be hooked up to a digital switch, or you can get an ISDN line with two channels of 64 Kbps, for a little bit less then the cost of two plain phone lines. And this is available all over the country, even in small villages. An ISDN board for the PC is available for less than US$100 and most Internet-access providers allow access at ISDN speed at no extra charge.

Pay as you go

Later on, the same two guys meet again after a conference session about using virtual chatrooms. Now it's the German who wonders what that might be good for. Who would want to spend so much money for a couple of hours a day on the Internet? The Canadian wonders what money the German is talking about.

Local calls are subject to a charge in Germany. Rates are not too high, but local calls are not free. In addition, smaller cities often do not have an ISP available within the local area, which means users have to connect to the Internet by a long-distance call.

Of course, having to pay for every minute you stay on the Web often restricts its use to what is really necessary. Just cruising around to see what's new and what might be interesting is not very common to most Germans—except computer nerds.

That often leads to the problem that many people, having seen the Web six months or so ago and not found it very useful at a first glance, quit their ISP subscription—even though lots of useful local content may have appeared in the interim.

The other problem is e-mail. If it takes a German two to three days to answer an e-mail, this is not because of the different time zone or because he wants to think over his reaction, but because he did not read it earlier. Because any call checking for new e-mail is charged, hardly anyone sets up his PC for automatic e-mail retrieval several times a day—to say nothing of auto-forwarding e-mail to a pager.

So what would happen if one could roll out cheap ISDN all over North America and make Deutsche Telekom AG stop charging for local calls? There might be much more trans-Atlantic business being conducted, and many more friendships forged in cyberspace.

Torsten Schlabach lives in Munich, Germany. He has written two computer books and is the European correspondent for two American radio talk shows. ◆

We Specialize in: PC Upgrades & Repairs, Installation of Software, CD ROMs, & Modems.

TRITON II
★Pentium System★
Intel Pentium CPU w/ Cooling Fan
Triton II Chipset MB w/ 256K Pipeline Cache
On Board 2x EIDE, 2x Fast Com Port,
Enhanced Printer Port & Floppy Controller
8Mb EDO Memory
1.2 Gb Hard Drive (Mode 4)
1.44 Floppy Drive
14" SVGA , NI, .28 dpi monitor
PCI Video card w/ 1Mb Memory (exp. to 2M)
13" mini tower w/ 230 watt power supply
104 key Win'95 keyboard
mouse & pad

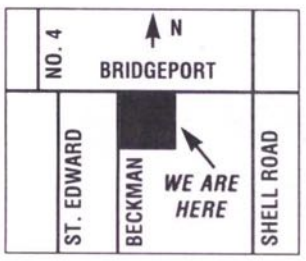
AMD K5-90 ..... $879
6X86 150+ $978
P-100 ..... $958
P-120 ..... $968
P-133 ..... $1008
P-150 ..... $1068
P-166 ..... $1238
P-200 ..... $1528

Low Prices on all Items! please call

Special

Used 1M 30 Pin Memory $8
Zoltrix 33.6 Fax Modem $99
Acer 16 bit Sound Card PnP $38
13" Tower Case w/Power Supply ... $38

國、粵語服務



We Carry Computer Parts & Accessories
We do **TRADE-INS** too
All Systems come with 2 Years Parts & Labour Warranty

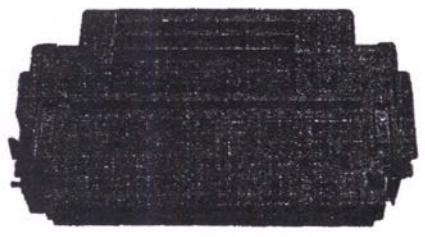
All prices are subject to change without notice.

BECKMAN COMPUTER

170-10400 Bridgeport Rd, Richmond, BC, V6X 3R2 (Entrance at Beckman Place)
Phone: 303-7982 Fax: 303-7983 Open: Mon-Fri 11-7 Sat 11-6 (Closed Sun & Holidays)

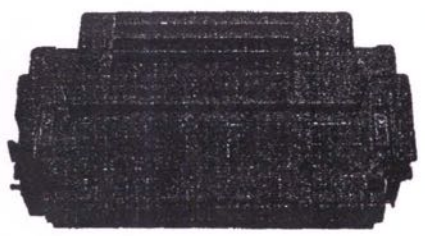
Guess Which Cartridge Saved Our Customer $70?

These days, the only way to tell our remanufactured cartridge from a new laser printer cartridge is the price. Our cartridge can save you as much as $70 while delivering the same high quality and reliability you've come to expect from a factory original.



COST
Our remanufactured cartridges **save you** up to **50%** of the cost of new cartridges. And *your savings don't end there.* We use replacement parts that exceed the specifications of factory original parts resulting in more durable longer lasting cartridges.

QUALITY
Have you tried a remanufactured cartridge lately? Over the past two years, the science of rebuilding toner cartridges for laser printers has improved dramatically. In fact, independent studies now show that remanufactured cartridges are higher quality than new ones.



In the old days, our industry used to simply refill cartridges. But times have changed and at **Vancouver TonerPlus** we pride ourselves on having the best cartridges in the industry. Every component of every cartridge is tested, inspected, and replaced as needed with higher quality parts than the originals. The result is a cartridge that produces better quality text and graphics than originally-manufactured parts.

GUARANTEE
When you put a toner cartridge in your machine, you expect great results for the life of the cartridge. And with a Vancouver TonerPlus toner cartridge, that's just what you'll get – cartridges that work the first time, *every time.*

And to back this up, every toner cartridge comes with our personal guarantee of your satisfaction. You won't find any loopholes in our warranty—if you're not happy with our products, we'll gladly refund your money with no questions asked.

CALL VANCOUVER TONERPLUS TODAY AT (604) 552-3280
TO START SAVING MONEY ON TONER CARTRIDGES!
—Always free pickup and delivery—

VANCOUVER TONER PLUS CARTRIDGE REMANUFACTURING CORP.

Fax: (604) 552-3281
email: bill@vantplus.com
CHECK US OUT AT VANTPLUS.COM

—ASK US ABOUT OUR LASERSAVER 13 STEP MAINTENANCE PROGRAM!—

CALL NOW TO RESERVE $10.00 OR 10% OFF YOUR FIRST ORDER. WHATEVER IS MORE!

Benchmark Computers

HUGE ONE WEEK SALE!

Saturday March 1 - 8

All Mac Software $9.95

Mac Stuff

Stylewriter Accessory kit, Powerback Modems, etc

All Software 30% off!!

Byte for Byte we're outta sight!

Extremely Cheap!

SPECIAL - COMBINATION

28.8 Modem w/voice and sound card **$129.00**

2X SCSI CD-Rom w/card and caddy **$79.95**

Diskette Bins **$2.95**

Software
(All Regular Prices)

Madden '97
Need For Speed
Longbow
Road Rash
F22 Lightning II
ATF
Pro Game Pak
NBA Live '97
Wing Commander IV

$29.95

CD-ROM games
Journeyman Project
Turbo
Microcosm
Wolf
Ultimate Cards
. . . etc, etc

$4.95

MAC Software
. . . dozens of titles

NHL Hockey
Armoured Fist
Reflux
Nova Storm
Microphone Pro
. . . hundreds more

$14.95

World of Combat
Absolute Zero
Loadstar
Print Master
Maabus
Wing Commander III
Casino Pak
. . . etc, etc

$19.95

CD Storage Racks (misc. sizes)

$9.95 - $19.95

CD Storage Columns (holds 200) **$39.95** ($129.95 New)

Internet Kits

Axion(BC Tel)	$19.95
Cyberion	$19.95
Gateway	$19.95
Netcom	$4.95

Printers

Wide Carriage	$49.95
BJC - 210 (Refurbished)	$199.00

Systems

486 DX Multimedia System
w/CD-Rom and sound card,
8 MB RAM, 500+ Hard Drive, mouse
(monitor sold separately) $495.00

Miscellaneous

RAM & C.P.U.'s	call
16 Bit Sound Cards	$49.00
Game Pads	$9.95
Cordless Game Pads	$19.95
Joysticks	$14.95
all cables	$5.00

Benchmark Computers

2627 Kingsway Vancouver, BC V5R 5H4

Phone 451-5333

Hours Monday -Thursday 10-6, Friday 10-9, Saturday 10-6

Web page www.rapidexmall.com/BC/BC/Benchmark

Surfing for God

• • By ALAN THWAITS • •

In the late 1960s, Christian seminaries in Europe and North America were abuzz with the "God is dead" movement. At least, that's what it was called in the popular press; in theological circles, it was recognized as an acknowledgement that the old ways of thinking about, talking about, and searching for God had gone the way of steam trains and clipper ships.

What was needed for the 20th century, argued the movement's adherents, was a new context for the search. The times were a-changin', as one populist theologian sang, and so people went looking for God in all sorts of new places.

Where did all those seekers after truth go? All over the spiritual map, it seems. Some married Christian scholarships with Marxist economic theory to come up with something called liberation theology. Some went to the East, to an exploration of Hinduism and Buddhism. Some cast tradition aside, and, combining the basic tenets of the Human Potential Movement with the wilder side of depth psychology and a smattering of folk spirituality, produced the so-called "New Age" religions. And some, of course, cast their lot with the new technological gods of the emerging computer culture.

God, obviously, was far from dead. In fact, demographers, such as David Foot of the University of Toronto, and sociologists of religion, such as Reginald Bibby, of the University of Lethbridge, tell us that people are more interested than ever in religion and spirituality. God, they suggest, is alive and well. If that's the case, you might ask, how does one go about finding God in the 1990s?

The answer—are you surprised?—is on the Internet, of course! Because the Net is the ultimate "distributed database," it's the ideal place to go looking for information. Believers of all sorts love to tell others the good news, and the Net is where they share it with everyone. The various tools and technologies of cyberspace offer sustenance for the believer, resources for the seeker after wisdom, and a world of challenges to anyone who thinks that the nature of human belief can be nailed down once and for all.

Gatherings of the faithful

Believers form communities—that's been true since Neanderthal men and women gathered around a communal fire at the end of the day, and it's no less true in cyberspace. The World Wide Web is home to literally thousands of faith communities, where doctrine is expounded and histories are related. Most major religions (and not a few minor ones!) are represented on the Web.

As in the real world, so in cyberspace—there's a wealth of information out there, so the real problem is in accessing it all. It's best to have a good starting point. In this case, that would be the Facets of Religion site, where a fellow named Armin Mueller has put together a fascinating collection of links to religious sites and resources all over the planet. Mueller offers little in the way of commentary, and the presentation is straightforward, so it's easy to get down to the spiritual nitty-gritty.

FoR's main religious listings are categorized according to origin and age. Each link represents an amazing depth—each click of the mouse leads deeper and deeper into someone's belief system. Behind the "Buddhist" link, for example, lie more than two dozen links to various aspects of Buddhist tradition and culture. Among them are a site showing a copy of the Diamond Sutra—the world's earliest, dated printed book; "The Power of Compassion" site, where the Dalai Lama comments on the problems of the modern world; and the Web site of the Gyuto Tantric Choir, once of Tibet and now of Dhrarmsala, India.

Not only mainstream religions are presented. The Facets of Religion site has a section devoted to "Pagan, Neo-Pagan, and Wiccan" links, where those curious about the Old Ways can get access to the Covenant of the Goddess site, the Pagan Federation Network, Incantator's Home page (dedicated to studies in Siberian shamanism), and the Temple of Awakening site, where visitors can re-discover the spirituality of ancient Egypt.

The tools of the Web—hypertext links, the use of graphics, and those magic "mailto:" connections—make a site the mirror of a religious community. A good example is the Anglicans Online site, which provides an overview of the international Anglican Communion, news about the working of the institutional church, access to Anglican magazines and newsletters, and links to national structures and local parishes. If you're an Anglican, you may be surprised to discover that your own parish has its own Web site! Similar "link sites" exist for most major Christian denominations, Jewish traditions, and Islamic communities.

Sometimes, a Web site can do much more than inform. At the Virtual Jerusalem site, visitors can place a cyberspace prayer in

continued on page 26

EVERFLY COMPUTER CO. LTD.

1090 Kingsway, Vancouver B.C. V5V 3C6
Phone: (604) 879-3232 Fax: (604) 879-1266
Mon. - Fri. 10:30 a.m. - 6:30p.m. Sat. 11:00a.m. - 5:00p.m.

Sales Repairs and Upgrades Centre
All Work Guaranteed

ENTRY LEVEL SYSTEMS

P-100 MHz — $1290 P-150 MHz — $1399
P-120 MHz — $1305 P-166 MHz — $1550
P-133 MHz — $1340 P-200 MHz — $1450

Pentium Triton II chipsets
512 P.B.C. w/512K
(Support up to 200 MHz)
Intel pentium Processor w/Fan H.S.
2 x 8 MB xxx EDO 72pin (Total 16MB) Memory
Panasoni 1.44 MB Floppy Drive
EIDE, Mode 4, 1.28 GB Hard Drive
SVGA 64 Bit PCI 1/2MB EDO Video Card
ACER 14" NI,LR 1024 x 768 Monitor
Mid 15" Tower w/230 Watts P.S.
12x IDE CD ROM Drive
SB-16 PnP
MDI - 691 60 Watts speakers
Windows 95, 104 Keys Keyboard
3B Serial Mouse w/pad

INTERMEDIATE LEVEL SYSTEMS

With "MMx TECHNOLOGY"
Pent-MMX 166MHz $2360 Pent-MMX 200MHz $2675

Pentium Triton II chipsets w/512K PBC
(Support up to 200 MHz & MMx Technology CPUs)
Intel Pentium Processor w/MMx Technology & FormHX
2x1.6MB 60 xx EDO 72pin (total 32MB) Memory
Panasonic 1.44 MB
Fast EIDE, Mode 4, 2.1 GB Hard Drive
Diamond 3D, 3000 w/2MB VRAM PCI- Bus Video Card
Sony 100SX 15" 0.75 dpi Monitor
Mid 19" Tower w/230 Watts P.S
12x IDE CD-ROM Drive
SB 32 pnp
MLI 691, 60 Watt Speakers
Fujitsu 8725 - 104 keys Keyboard
Logitech 2.13 (OEM) w/pad

We Also REPAIR and REFILL - TONER for All makes of PRINTERS and PHOTO COPIERS
"FREE Estimation Fee."

PROFESSIONAL LEVEL SYSTEMS

P-PRO 180MHz .....$2895 P-PRO 200MHz $3090

Pentium Pro Support 150MHz to 200 MHz
& up to 512 MB Memory
Intel Pentium Pro Processor w/Fan H.S.
Panasonic 1.44 MB
Fast EIDE, 3.1 GB Hard Drive
Diamond 3D - 3000 w/4 MB VRAM
MAG DX 7007 17",).25 dp Monitor
Mid 19" w/230 watts p.s.
Fujitsu 8725 104 Keys Keyboard
Logitech 2B (OEM) w/Pad

UPGRADE OPTIONS FOR ALL LISTED SYSTEMS

* ACER 33.6 S/R/Fax/Voice Modem $95
* Supra Express 33.6 S/R/Fx/Voice PnP $115
*USR "Personal Voice" 33.6 S/R/Fx/Voice $149
Full Duplex, speaker phone 56 K upgr. etc
*Ext Motorolla 33.6 S/R/Fax $190
*PDP- Sub Woofer (Yamaha OEM) $85

Printers & Palm Top w/Microsoft CE

*Epson-Stylus 400 720x720 dpi $330
*Epson-Stylus 600 1440x720 dpi (up to 6ppm) $430
*Epson Stylus 800 1440x720 dpi (up to 8ppm) $635
*Lexmark IT-2070 600x600 dpi (up to 7ppm) $395
*Lexmark IT-2050 600x600 dpi (up to 5ppm) $345
*Lexmark IT-2030 600x300 dpi $290
Palm-top w/MS CE w/2mb/4mb $620/775

CDROM Drives & Sound Cards

* SB-64 AWE $245
* SB-64 AWE GOLD w/4MB Memory $325
* SB-16 pnp (OEM) $79
* SB-32 pnp (OEM) $135
*Panasonic 12x IDE $149
*Toshiba 12x IDE $150
*Acer 10x IDE $135
*NEC 8x IDE $125

Monitors

* SONY 100SX 0.25dp $540
* SONY 100SF 0.25dp $629
* SONY CPD-200SX 17" $950
* SONY CPD-200SF 17" $1200
* MAG M500 0.25 15" $680
* MAG M700 0.25 17" $975
* NEC M500 15" (Multimedia) $610
* NEC C500 15" $539
* NEC M700 17" (Multimedia) $1090
* NEC P750 17" 0.25dp $1425
* VIEWSONIC 15GA (Multimedia) $575
* VIEWSONIC 15GS $499
* VIEWSONIC 17EA (Multimedia) 0.28dp $825
* VIEWSONIC 17GA (Multimedia) 0.27dp $899
* VIEWSONIC 17GS $849
* VIEWSONIC 17PS $975
* ACER 54E 15" $399
* ACER 56E 15" $430
* ACER 76IE 17" 0.27dp $735
* ACER 78IE 17" 0.26dp $875

ACER PRODUCTS SPECIAL

ACER Flatbed Scanner $379
optical 300 x 600, software up to 4800 x 4800
ACER 33.6 S/R/Fax/Voice $108
Speaker phone, ASVD
ACER 34T 14" 0.28 dp 270
ACER PCI ETHER COMBO 55
ACER 9 Port Ethernet HUB $119

Hard Drives

Fujitsu 1.29 EIDE $249
Fujitsu 1.7 GB EIDE $279
WD 1.6 GB EIDE $285
WD 2.1 GB EIDE $310
WD 2.5 GB EIDE $360
WD 3.1 GB EIDE $399
WD 4.0 GB EIDE $520
QTM 2.1 GB EIDE $320
QTM 2.5 GB EIDE $349
QTM 3.2 GB EIDE $385
QTM 3.8 GB EIDE $430

NEC Canon AVI brother FUJITSU

Prices are based on COD only and subject to change without notice.

Strong COMPUTER INC.

101-1926 West Broadway,
Vancouver, B.C. V6J 1Z2
Tel: (604) **739-0438**
Fax: (604) 739-0436
Business Hours:
Mon.-Fri. 10:00-18:00 Sat. 12:00-17:00

Pentium Special

120MHz	133MHz	150MHz	166MHz	200MHz
$1580	$1620	$1660	$1850	$2100

. Intel Triton VX Chip Set, 256K Pipeline Burst Cache, **PCI**-ISA Bus
. Intel Pentium CPU
. 16MB RAM (EDO, 60ns, 72 pin SIMM)
. 1.44MB (3.5") floppy disk drive
. 1.28GB EIDE hard drive (mode 4, 10ms)
. On Board PCI EIDE HDD controller (control up to 4 IDE devices)
. On Board 2 UART 16550 Fast Serial, 1 parallel (EPP/ECP) Ports
. S3 Trio 64, 64Bit SVGA card w/1MB DRAM PCI
. Supra 33.6K Internal Fax Modem w/Voice V.34
. 8X Internal CD ROM Drive (EIDE)
. 16 Bit Sound Card
. 13" tower case w/200W CSA approved power supply
. 14" ACER SVGA Non-interlaced color monitor (1024x768 .28mm)
. 2 External Speakers (120W)
. 104 key windows enhanced keyboard
. Microsoft 2 button mouse
. MS Windows 95 (CD, Full Version)

Upgrade to: 32MB EDO RAM $110, 1.7GB HDD $40, 2.1GB HDD $90,
15" Acer Monitor $100, 17" Acer Monitor $400, ATI Mach 64 2MB $50,
ATI 3D Xpression+ 2MB $130, Matrox Millenium 2MB $200,
Matrox Mystique 2MB $180, 19" Tower Case $20

** Free Estimate on Repairs and Upgrades **
All Systems 2 Years Parts and Labour Warranty
Prices subject to change. Please call for the latest prices

強 電腦公司

Feature

Surfing for God ...

continued from page 25

Jerusalem's Wailing Wall, where Jewish tradition says God picks up mail (the site's WebMaster says that his company doesn't read the messages that are destined for the Wall—a computer prints them on to sheets of paper, which are then stuffed in the Wall's crevices). And, at the Monastery of Christ in the Desert site, you can not only purchase items from the Monastery Gift Shop, but also book a room for personal or guided retreats from the Benedictine monks whose home the monastery is—something you'll probably want to do after viewing the glorious graphics on this site!

Debate and discussion

Once you've explored the many worlds of faith, you'll probably find a community that meets your spiritual needs and answers—or at least begins to answer—most of your "Important Questions About Life." If that's the case, you'll want to move to a place where you can share your thoughts, ideas, and questions with others of the same bent. Then it's time to enjoy another great resource of the Net—mailing lists!

There are tens of thousands of mailing lists on the Net. As with the Web, we're talking an embarrassment of riches. If you're looking for a list-format spiritual home, look no further than the religion "subset" of NeoSoft's Publicly Accessible Mailing Lists site. Here, you'll find descriptions and subscription information for lists to match every spiritual taste, ranging from Meher Baba to the Promise Keepers, from Jewish Studies to the Tiamat-L list (which, in case you're curious, stands for Testing the Internet As a Magickall Aethyric Tool).

A common metaphor used by those who seek God is that of the journey. Think of the Internet as a vast new continent, peopled by fellow seekers after Truth, and full of all the wonders of this world and the next, and you'll probably enjoy the trip. And discover that God, far from being dead, is alive and well on the Net! ◆

info box

Facets of Religion
http://sunfly.ub.uni-freiburg.de/religion/
Anglicans Online
http://anglican.org/online/
Virtual Jerusalem
http://www.virtual.co.il/
Monastery of Christ in the Desert
http://www.christdesert.org/
Religious Mailing Lists
http://www.NeoSoft.com/internet/paml/bysubj-religion.html/

Nicer Technology Inc.

Tel (604) 303-5650 Fax (604) 303-5660
Unit 130 - 3771 Jacombs Rd., Richmond V6V 2M5

Excellence in Computing

We not only sell you the equipment, but also provide the solution!

UPGRADES, SERVICES & REPAIRS

Personal Workstation

- Intel Pentium P133 w/Ball-bearing Cooling System
* Intel Triton II Chipset MB w/256KB Pipeline Cache
* 16MB EDO 60ns RAM
* PCI 64 Bit Video Accelerator w/2MB DRAM
* 1.28GB EIDE HD/1.44MB Floppy
* 8X Speed Eide CD-ROM

Special $999

BRAND NAME NOTEBOOK SPECIAL
Dare to compare with IBM and Toshiba

ACER A-OPEN P150 Personal Workstation

Internet ready

Open
Acer Authorized Dealer

* 150 MHz Pentium Processor
* Novell certified Mid-tower Case
* 512K Pipeline Burst Cache
* 16MB EDO RAM (SDRAM Optional)
* New 2.1 GB ATA-3 Hard Drive(<9.5)
* Diamond Stealth3D w/2MB EDO RAM
  PC Magazine Editor's Choice
* 8X EIDE CD-ROM Drive
* 16 bit Enhanced Audio w/3D Effect
* 33.6K Int. Voice Modem w/SVD
* 2-month Free Internet Access
* MS Window 95 OSR2 Full Version
* Windows 95 Enhanced Keyboard
* Logitech Combo Mouseman

monitor extra

Special $1728
Lease for $59/month

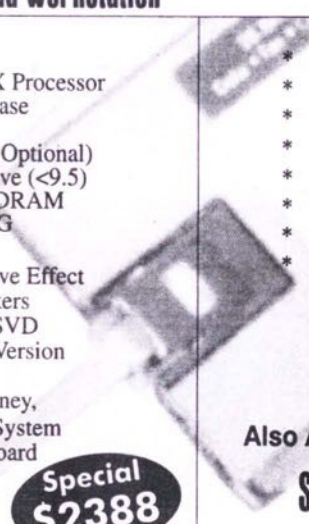
ACER A-OPEN XP166 Multimedia Workstation

MMX ready

* 166MHz Intel Pentium MMX Processor
* Novell certified Mid-tower Case
* 512K Pipeline Burst Cache
* 32MB EDO RAM (SDRAM Optional)
* New 2.1GB ATA-3 HArd Drive (<9.5)
* ATI 3D Xpression w/2MB SDRAM
  PC2TV, Full Screen MPEG
* 12X EIDE CD-ROM Drive
* Sound Blaster 32 w/3d & Wave Effect
* Altec Lansing Satellite Speakers
* 33.6K Int. Voice MOdem w/SVD
* MS Windows 95 OSR2 Full Version
* MS Home CD Bundle:
  Encarta 97, MS Works & Money,
  MS Golf & Exploring Solar System
* Windows 95 Enhanced Keyboard
* Logitech Combo Mouseman

Special $2388
Lease for $82/month

Sceptre S3900S Multimedia Series



* Pentium 100MHz TCP CPU 16MB EDO RAM
* 1.0 GB Removable Hard Drive
* 11.3" DSTN 800 x 600 SVGA/128 bit Video
* 360° Infra Red Port/ Removable Floppy Modem
* Touch Pad/NiMH Battery
* AC/DC Adapter/Carrying Case
* Optional P-133 MHz & P-150 MHz
* Optional 6X CD ROM Module/Lithium

$2098
Lease for $79/month

Also Available:

S4000 TFT/1G/16MB RAM/P100/6XCDROM

$3599
Lease for $125/month

CREATIVE EPSON WESTERN DIGITAL HEWLETT PACKARD Seagate
Quantum TOSHIBA DIAMOND Canon ATI SCEPTRE FUJITSU NEC
Designed for Microsoft Windows 95 — yes It runs with NetWare
All price is suject to change without notice

All lease rates are based on a 36-month business lease (O.A.C.). Final lease rates, payments and options may vary.

Internet telephony:

CLARIFICATIONS

• • By LYNN GREINER • •

The November 1996 story "Internet telephony: Products and issues" generated enough questions and comments from readers that we decided a follow-up would be appropriate.

One reader wondered how to tell if a sound card is full duplex. The simplest way is to read its documentation, if you still have it. Or check the manufacturer's Web site—there might be specs available there, or even updated drivers that will make the card work in full-duplex mode.

For example, Creative Labs, maker of the popular SoundBlaster cards, has new, full-duplex drivers for some models, free for the downloading. There may also be lists included with the Internet telephony software, and the software will probably tell you whether the card it sees when you install it is full or half duplex.

The second half of this reader's question had to do with modems, and whether DSVD modems can be used in place of full-duplex modems. First of all, all V.32 and V.34 modems are full duplex—they have to be to conform to these standards. A DSVD modem adds simultaneous voice and data, and should also conform to the V.xx standards. For true "two lines for the price of one," we'll have to wait for ADSL, which will allow separate voice and data calls, simultaneously, on the same line.

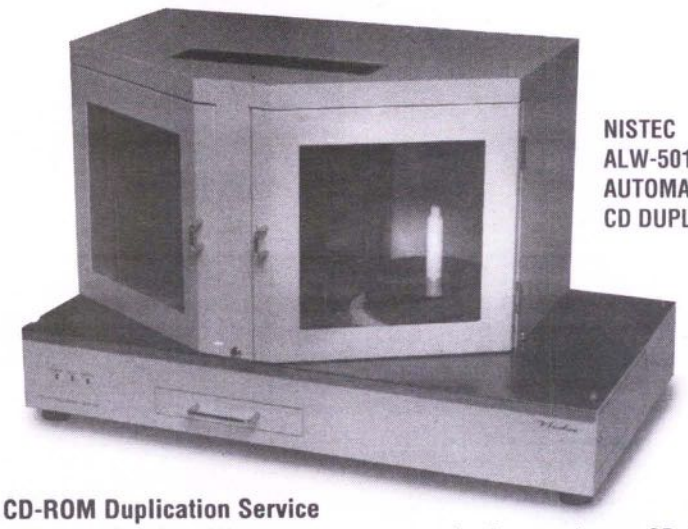
Platform hopping

Another reader asked for information on cross-platform Internet telephony products. We found a Web page chock-full of useful data on the subject at http://www.virtual-voice.com/telephony/choices.htm. Head there for up-to-date information.

Now, some clarification. Although *Internet Phone*'s download is free, the serial number that lets you use it costs $39.95. Version 4.5 for Windows 95 has just been released, while current versions for Windows 3.1 and Macintosh are 3.2 and 3.0, respectively.

Finally, a sharp-eyed reader pointed out that the standards (H.323 and T.120) adopted for Internet telephony were designed by the International Telecommunications Union in the mid-1980s; they don't belong to Microsoft, as the original text suggested. ◆

SUPERDUPER™
CD-ROM Copy/Creation Service
Why are you *still* paying such a high price for CD-ROM duplication?



NISTEC
ALW-501
AUTOMATIC
CD DUPLICATOR

ASTEL CD-ROM Duplication Service
- *CD-ROM Copy Service* - We can accept your order from only one CD-ROM copy!!
  * $19.99 for each duplication
  ($1,500.00 for 300 CDs or more duplications. It will take a few weeks.)
- *CD-ROM Mastering Service* - We will copy your data and transfer to CD-ROM

ASTEL CD-ROM Creation Service
- *CD-ROM includes the promotional information: product PR, corporation PR and annual reports. We are specialized in CG, Video, Data Base and more.*
  *Please phone us for free consultation of the above services.

604-331-0116

ASTEL ENTERPRISES LTD. #1257 Granville Street, Vancouver, B.C. V6C 1T2
E-mail: astel@wimsey.com • **Web site:** http://www.astel-world.com
Fax: (604) 331-0120

In software as in flour, how many bugs are too many?

Softwary

Alan Zisman

Have you ever wanted to be a beta tester?

Traditionally, software companies, developing new or updated products, looked for volunteers to help them test prerelease versions of the software. For the companies, this provided the opportunity to try out the product in the real world, on a wide range of hardware, and interacting with a wider range of software than they could ever set up in their labs.

Beta testers typically didn't get paid (Corel has recently offered rewards to beta-testers who discovered new bugs). Instead, they were offered a free copy of the software, after its eventual release. Most did it for the thrill of being the first on their block to be able to run something new, even if it meant taking the risk that the beta software might be buggy enough to cause their computer to crash and burn.

Even though software companies required testers to sign a Non-Disclosure Agreement (NDA), swearing to reveal nothing about the product, there was rarely any difficulty getting volunteers (in fact, five months before the release of Windows 95, Microsoft was able to get over 200,000 people to pay $32 each for the privilege of receiving a prerelease version of the software).

Everybody does it

But times have changed. Beta copies of software seem to be everywhere. No, not just the pirated copies that are always circulated in the dark corners of Internet and BBS culture, but official betas. Go to almost any software developer's Web site, for example, and if you're patient, you can download multi-megabyte "beta" versions of the upcoming commercial releases.

This winter, you could get prerelease versions of *Microsoft Publisher* and *FrontPage 97* at Microsoft's site, or *Claris Home Page* at Claris's. Running buggy prerelease versions of *Netscape Navigator* months before the official release has become a tradition with many Webheads.

Off the Web, Microsoft distributed thousands of CDs with beta copies of *Office 97* to anyone who attended one of their free seminars that crossed North America last Fall.

When you download something labelled as a beta, you probably realize that along with the free software, you're getting free bugs, in a product that isn't yet ready for commercial release to the paying public.

Somewhere along the way, though, it almost seems like we've all become beta-testers, even if we buy the shrink-wrapped product off a store shelf.

Take *Corel Draw*, for example. Eager buyers of *Corel Draw 4.0* a few years ago found themselves faced with a continual series of bug fixes—4.0a, 4.0b, and 4.0c—ending only with the release, the following spring, of version 5.0, and the promise of the cycle starting again.

Casting a wide Net

I don't mean to single out Corel. Spin the wheel, and pick almost any software producer.

Microsoft's Windows NT is touted as a solid operating system, aimed at companies who can't afford to lose data to buggy software. But Service Pack (i.e., bug fix) 1 for version 4.0 was posted on Microsoft's Web page only days following the product's release, later followed by a rather large (15 MB) Service Pack 2.

SP2 fixed about 100 bugs, but also created bugs of its own, including one now known as the "Blue Screen of Death," which occurs when, for example, users tried to format a floppy while scanning for viruses. Now Microsoft's Web site includes a series of bug fixes for the SP2 bug fix.

Some users have complained about Microsoft's new *Office 97* as well, suggesting that it, too, was rushed to market before it was ready.

Again, I don't mean to suggest that either Microsoft or Corel are any worse (or any better, for that matter) than their competitors. In any company, there's always friction between the marketing types and the engineers. The engineers want to keep working on the product—speed it up, add features, find still more bugs. The marketers, however, need a firm release date so they can place the ads, and make arrangements to get the boxes into the stores.

In fact, maybe our expectations for bug-free software are simply unrealistic.

You may not realize it, but the government sets minimum acceptable standards for the number of fly wings (and other fly-related substances) per ton of flour. They realize that in a less than perfect universe, it's impossible to demand no fly wings at all. If we have to put up with bugs in flour, we may need to accept software bugs, too, as just a fact of life.

What do you think? Are you paying for software that's not quite ready for prime time? Let me know at alan_zisman @mindlink.bc.ca ◆

OPEN YOUR DOORS TO THE WORLD

Introducing 4 new internet packages for your business.

1 CORPORATE PACKAGE $29.95/mo

- no setup fee
- includes flat-rate internet access
- no prime-time restrictions
- free software kit and setup
- website up to 1Mb with no traffic charges
- optional onsite setup/ tutorial for $25

2 VIRTUAL SERVER PACKAGE $15/mo

- setup fee: $50†
- includes domain registration, custom email and web address

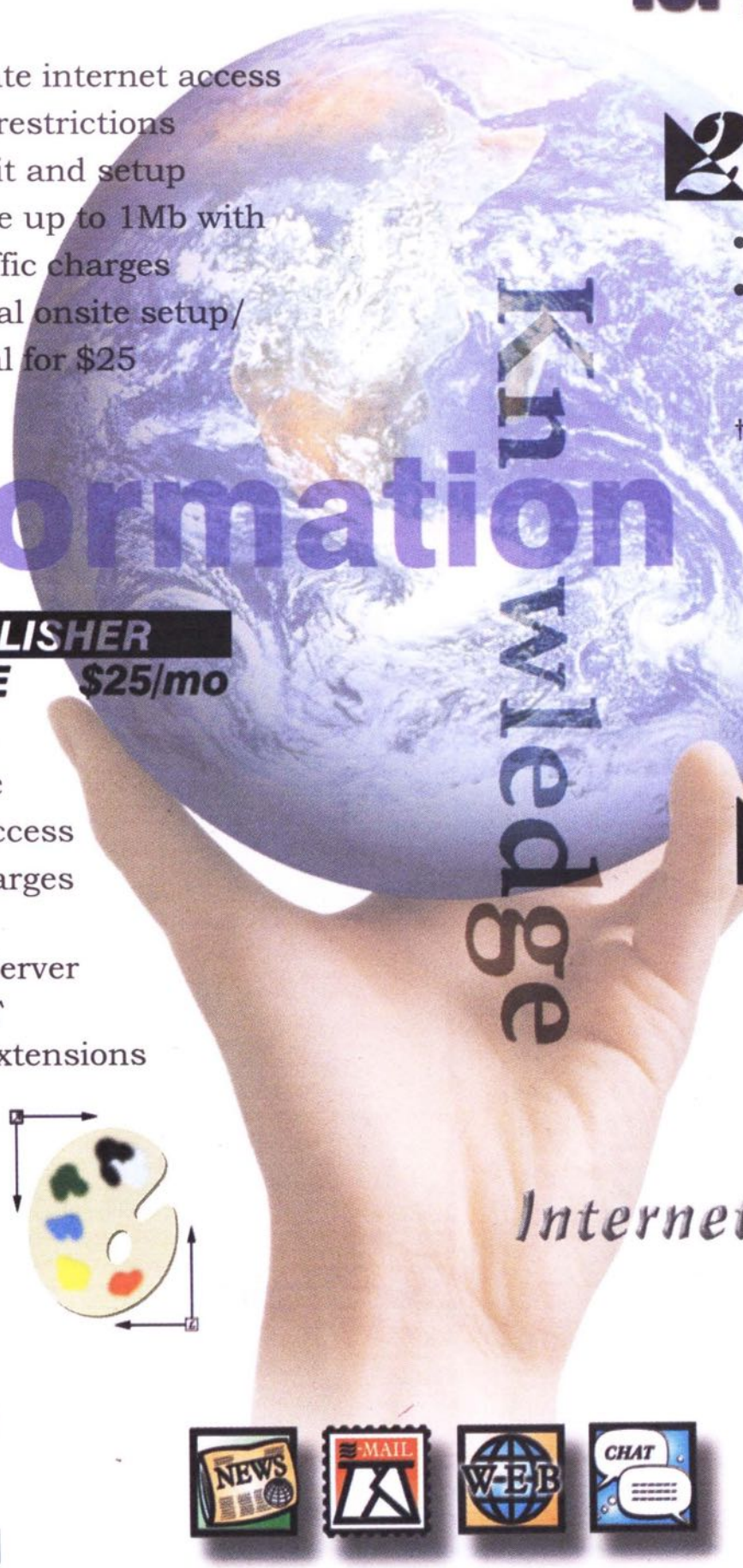
† Plus applicable Internic fees

3 WEB PUBLISHER PACKAGE $25/mo

- no setup fee
- 5 Mb storage
- direct FTP access
- no traffic charges
- NETSCAPE Commerce Server
- MICROSOFT FrontPage Extensions

4 ISDN PACKAGE $380/mo

- no setup fee
- dedicated high-speed 128 Kbps digital ISDN connection
- no traffic charges



INTERNET GATEWAY
CORPORATE SERVICES

Internet Gateway Corporation
Suite 503 ~ 889 West Pender Street
Vancouver, British Columbia
Canada V6C 3B2

Phone : (604) 654-6088
Fax : (604) 669-8489
Toll Free : 1-800-453-1286

Internet : http://www.intergate.bc.ca
Email : staff@intergate.bc.ca

PC as appliance

• • By CHRISTOPHER GULY • •

For Microsoft Canada Inc. general manager Jeff Dossett, the future is written in C's: consumers, computers, and convergence.

At the recent Comdex PacRim computer fair in Vancouver, Dossett said that he expects that PCs will become the consumer product of choice—much like VCRs and televisions dominated the market when they were introduced.

"We believe the personal computer is on the verge of becoming the next mass medium," said Dossett, who also predicted PCs will become "appliances" that will join with television sets to become home-based entertainment centres.

"We absolutely foresee the time when the personal computer in its various forms…will achieve 90 per cent penetration rate," he said.

Microsoft, of course, is doing everything it can to ensure that happens.

In mid-January, the Washington-based company began a 30-city world tour, which included stops in Toronto, Ottawa, and Montreal, to boost sales of *Office 97*, which Microsoft chairman Bill Gates unveiled at the Comdex show in Las Vegas last fall.

"We believe the personal computer is on the verge of becoming the next mass medium,"

Not that Gates needed the extra PR. Even before the suite went on sale, the company claimed it had received advance orders for 500,000 copies and had already sold 3 million copies of *Office 97* through corporate licensing agreements.

In tapping into convergence-based customer demand, Dossett said that Microsoft is touting *Office 97*'s Net capabilities, which the company claims makes "it simple for

"We believe it's very clear that the Internet has reached critical mass and that it's very much here to stay, despite some of the concerns that people have about its ability to evolve,"

users to create hyperlinks, publish content on the Web in HTML or *Office* file formats, find *Office* or HTML documents on their organization's networks, and even edit *Office* documents live inside their Web browser."

"We believe it's very clear that the Internet has reached critical mass and that it's very much here to stay, despite some of the concerns that people have about its ability to evolve," said Dossett.

Last year, about 50 million people surfed the Net. By the year 2000, that number is expected to quadruple.

Based on such a heavily populated global Internet community, Dossett said that Microsoft will be adapting its Windows desktop layouts to look more like Web screens and will be developing a Net PC—equipped with a Pentium processor and hard disk—that Microsoft claims will offer more flexibility. ◆

The demand for computer programmers will double by the year 2005...

Train now for a high-paying career as a computer programmer!

Only NRI at-home training gives you in-demand programming skills in three of today's hottest computer languages: BASIC, C, and Visual Basic.

Plus, you now train with and keep state-of-the-art programming tools: a Pentium® 133 multimedia computer system, Visual Basic, Windows 95, and more!

Prepare for today's newest programming opportunities

The Bureau of Labor Statistics forecasts that job opportunities for computer programmers will increase much faster than the average over the next 10 years, with as many as 400,000 new jobs opening up by 2005.

Now, with NRI, you can get the new skills you need to build a top-paying career — even a full- or part-time business of your own — in this high-growth field.

Learn today's hottest languages!

With NRI's unique Discovery Learning Method, you get hands-on programming experience as you master today's most popular languages and programming environments. Step by step, you learn to create the kinds of full-featured, powerful programs today's employers and clients demand:

- You start with BASIC, building your confidence enough to create and modify several programs of your own.
- You move on to master C, a sophisticated language that's become the programming tool of choice for a variety of applications.
- You're then ready to explore Visual Basic, a high-level, object-oriented language designed specifically for creating programs in a Windows 95 environment.

Best of all, you master these important languages as you train with and keep the most powerful computer system available from any school!

Send for your FREE catalog today!

See how NRI can give you the programming skills, the full-featured computer system, and the state-of-the-art software you need to get started in this top-paying field.

If the coupon is missing, write to us at NRI Schools, 300 Water Street, Whitby, Ontario L1N 9B6

CALL 1-800-321-4634, Ext. 2426

http://www.mhcec.com

More equipment, more advanced software, and more real-world programming experience than any other school!

- Pentium® 133 processor
- 8 meg RAM and 256K cache memory
- 1 gigabyte hard drive
- Super VGA color monitor; 1 meg video memory
- 8X CD-ROM drive and 16-bit sound card
- 28,800 baud fax/modem, plus 10 free hours of *America Online*
- Netscape Navigator™ Web browser
- BASIC interpreter
- Power C and Visual Basic compilers
- Windows 95

Now, with NRI's new PC Options Plan, *you can keep up with late-breaking advances in technology by upgrading your computer system at special student rates. You'll get all the details shortly before your computer is scheduled for shipment. It's NRI's state-of-the-art guarantee!*

SEND TODAY FOR FREE CATALOG

NRI Schools
300 Water Street, Whitby, Ontario L1N 9B6

Check one FREE catalog only
- ☐ COMPUTER PROGRAMMING
- ☐ PC Applications Specialist
- ☐ Visual Programming in C++
- ☐ Networking with Windows NT
- ☐ Microcomputer Servicing
- ☐ Desktop Publishing with PageMaker
- ☐ Bookkeeping & Accounting
- ☐ Multimedia Programming
- ☐ Mastering Microsoft Office
- ☐ Webmaster

OR GET YOUR DEGREE!
- ☐ NEW! AAS Degree in Accounting
- ☐ NEW! AAS Degree in Business Management

Name_____ Age____
(please print)
Address_____
City_____
Prov./Code_____

A Division of The McGraw-Hill Companies 5574-0397

INFOWAVE COMPUTER INC.

Tel: 604.273.1368
Fax: 604.278.5268
Email: ici@axionet.com

1780-4311 Hazelbridge Way, Richmond, BC V6X 3L7
(Within Parker Place Mall with 2nd entrance at 4380 No. 3 Road)
Business Hour: Mon-Sat: 10-7, Sun: 11-7
WWW: http://www.parkerplace.com/infowave/

Upgrade Specials:

- With Triton II PCI Mainboard w/ 256K PB Cache & AMD K5-90MHz / K5-133MHz $190/260
- or Pentium 100MHz / 133Mhz $280/338
- 8MB (2 x 4MB) / 16MB (2 x 8MB) RAM $55/110
- PCI 1MB/2MB MPEG Video Card $48/68

USR Video Phone Kit

Everything you need for video conferencing --- from PC to PC or over the internet, including:
- High-Quality Color Video Camera
- US Robotics 33.6i Modem
- Big Picture Video Capture Card

$498

Canon LBP-460

Laser Printer, 600dpi, 4ppm with system purchase, only **$348**

HP 690C Color $398

All *ICI* systems come with *5-year* labor & *2-year* parts *warranty* !

Pentium-133MHz

- Intel Pentium 133MHz CPU
- Triton II 430VX / 256K Pipeline Cache
- 16MB 60ns EDO RAM (up to 128MB)
- 1.3GB E-IDE HDD (Mode 4)
- PCI 2MB 64bit MPEG SVGA Card
- 15" N-I L-R SVGA Monitor

Full Screen MPEG

1448

Lease: $48/mth*

-1.44MB 3.5" FDD
-104 (Windows 95) Keyboard
-Mid-size Tower Case & 230W P/S
-MS-Comp. Mouse + Pad
- Panasonic 8x CD-ROM
- Acer 16bit Sound Card
-60W Amp. Stereo Speakers
-Encyclopedia'96 & 25 Games

P-150MHz +$70

Upgrade Options:		Software Options:	
Up to 512K P.B. Cache	+$30	Windows 95 (Release 2)	$130
32MB RAM (from 16M)	+$110	OS/2 Warp / Merlin	$120/290
1.7G HD (from 1.28G)	+$40	Corel WordPerfect Suite	$160
Acer 33.6 Voice/Fax/M	$140	MS Office 97 Pro	$480

Pentium-166MHz

- Intel Pentium CPU
- Triton II 430VX / 256K Pipeline Cache
- 16MB 60ns EDO RAM (up to 128MB)
- 1.7GB E-IDE HDD (Mode 4)
- ATI 64 2MB EDO MPEG Card
- 15" N-I L-R SVGA Monitor

Full Screen MPEG

1728

Lease: $56/mth*

-1.44MB 3.5" FDD
-104 (Windows 95) Keyboard
-Mid-size Tower Case
- Logitech Mouse + Pad
- Panasonic 8x CD-ROM
- SoundBlaster 16 PnP
-60W Amp. Stereo Speakers
-Encyclopedia'96 & 25 Games

P-200MHz +$280

Upgrade Options:		Software Options:	
Up to 512K P.B. Cache	+$30	Windows 95 (Release 2)	$130
32MB RAM (from 16M)	+$110	OS/2 Warp / Merlin	$120/290
2.1G HD (from 1.7G)	+$40	Corel WordPerfect Suite	$160
Acer 33.6 Voice/Fax/M	$140	MS Office 97 Pro	$480

Pentium Pro 150

- Pentium Pro 150MHz w/ 256K Cache
- Intel Venus ATX or Asus ATX M/B
- 32MB 60ns EDO RAM (up to 128MB)
- 2.1GB E-IDE HDD (Mode 4)
- ATI 64 2MB EDO MPEG Card
- 15" N-I L-R SVGA Monitor
- ATX Tower w/ 235W ATX P/S

50% faster than P-166

2168

Lease: $70/mth*

-1.44MB 3.5" FDD
-104 (Windows 95) Keyboard
- Logitech Mouse + Pad
- Panasonic 12x CD-ROM
- Soundblaster 16 PnP
-60W Amp. Stereo Speakers

Pro-180 +$330

Upgrade Options:		Software Options:	
Sceptre 17" Monitor	+$430	Windows 95 (Release 2)	$130
64MB RAM (from 32M)	+$220	OS/2 Warp / Merlin	$120/290
2.5G HD (from 2.1G)	+$40	Corel WordPerfect Suite	$160
USR 33.6 Full Duplex Vi	$180	MS Office 97 Pro	$480

MMX-166/200MHz

- Pentium 166/200MHz CPU with MMX
- 256K Pipeline Cache
- 16MB 60ns RAM (up to 128MB)
- 2.1GB E-IDE HDD (Mode 4)
- ATI 64 2MB EDO MPEG Card
- 15" N-I L-R SVGA Monitor

MMX-166 **1998** $66/mth*

MMX-200 **2328** $76/mth*

-1.44MB 3.5" FDD
-104 (Windows 95) Keyboard
-Mid-size Tower Case
-Logitech Mouse + Pad
- Panasonic 8x CD-ROM
- SoundBlaster 16 PnP
-60W Amp. Stereo Speakers

Notebook

IBM - ThinkPad 755XD	Lease Available	
P120/8M/1.0G/4xCD/10.4"DSTN		$2938
P133/16M/1.3G/6xCD/11.3"TFT		$4188
TOSHIBA - Satellite/SatellitePro		
100CS P100/8M/810M/11.3" DSTN		$1818
100CT P100/8M/810M/11.3" TFT		$2498
200CDS P100/8M/810M/6xCD/DSTN		$2268
420CDT P100/8M/1.3G/6xCD/TFT		$3498
430CDS P120/16M/1.3G/10xCD/DSTN		$2798
430CDT P120/16M/1.3G/10xCD/TFT		$2798

Pentium Pro 200

- Pentium Pro 200MHz w/ 256K Cache
- Intel Venus ATX or Asus ATX M/B
- 32MB 60ns EDO RAM (up to 128MB)
- 2.1GB E-IDE HDD (Mode 4)
- ATI 64 2MB EDO MPEG Card
- 15" N-I L-R SVGA Monitor
- ATX Tower w/ 235W ATX P/S

Full Screen MPEG

2698

Lease: $88/mth*

-1.44MB 3.5" FDD
-104 (Windows 95) Keyboard
- Logitech Mouse + Pad
- Panasonic 12x CD-ROM
- Soundblaster 16 PnP Sound Card
-60W Amp. Stereo Speakers

Drives

1.3GB Fujitsu/Seagate	$248
1.7GB Fujitsu/Samsung	$288
2.1GB IBM / WD	$328/338
2.6GB Fujitsu / WD	$368/380
3.2GB Quantum	$448
2.1GB Quantum SCSI II	$468
2.1GB Seagate SCSI / Wide	$678/768
4.2G Seagate SCSI/ Wide	$1368/1468

HDD Controllers

Acer SC200 SCSI II Kit	$128
Adaptec 1522 SCSI	$118
Adaptec 2940 PCI SCSI Kit	$260
Adaptec 2940UW PCI SCSI Kit	$328
Adaptec 3940W PCI SCSI Kit	$530

ZIP / JAZ Drive

100MB ZIP Drive Para/SCSI	$260
1GB JAZ Drive SCSI int/ext	$520/628
100MB ZIP Disc 1/10pcs	$19/178
1GB JAZ Disc 1/5pcs	$135/628
Panasonic 4x CD-ROM & Rewritable Optical Drive	$560

Tape Backup

Ditto 800MB Int/Ext TBD	$168/198
Ditto 2GB/3.2GB Int	$250/328
Colorado T1000 800M In/Ex	$178/218
Seagate 3.2GB TR-3 Int. TBD	$298
Traven TR1 / TR3 Tape	$39/75

Modems

Acer 33.6 Full Duplex Voice Int	$140
Supra 33.6K Int. Voice/Fax/M	$128
USR 33.6K Int./Ext.	$150/228
USR 33.6 Full Duplex Voice Int	$180
USR 33.6 Full Duplex Voice Ext	$268
Diamond Video Conferencing Kit	$498
USR Big Picture Video Phone Kit	$498

Multimedia

Panasonic/Sony 8x CD-ROM	$138
Panasonic 12x EIDE / SCSI	$168/218
Acer 16bit PnP Sound Card	$38
Soundblaster 16 PnP	$80
Soundblaster 32 PnP	$148
Soundblaster AWE 64 PnP	$248
Backpack 4x CD-ROM Par. Ext	$298
Backpack 4x CD-ROM / Sound	$448
SCSI 4x CD-ROM Ext.	$298
Yamaha M15 Stereo Speaker	$88

CD Writer

Creative Lab 4210i 4x2 Int. Kit	$638
HP SureStore 6020i CD Writer	$738
Yamaha 4x4 Int. / Ext.	$928/1128
Smart&Friendly 4x4 Ext. Kit	$1428
Corel CD Creater & SCSI Ctrl	$268
Philips / TDK Blank CD Media	$11

Monitors

Proview 14"/15" N-I L/R	$238/308
Acer 15"/17" N-I L/R	$398/738
MAG 15" 1595/ 17" 1795	$468/828
NEC 15" C500 / 15" XV+	$548/638
NEC 17" M700 / XV+	$1068/1038
Panasonic 17" S17	$868
Samsung 15" GLe / GLi	$468/520
Sceptre 15" N-I L/R PnP	$388
Sceptre 17" J73S Multimedia	$750
Sony 15" 100SX / 100SF	$550/638
Sony 17" 200SX / 200SF	$968/1168
Sony 17" SE2T 1600 x 1280	$1398
Sony 20" 300SFT 1600 x 1280	$2298
Viewsonic 15" 15GS	$488
Viewsonic 17" 17GS/17PS	$868/998

Video Cards

CL 5446 (MPEG) PCI 1M/2M	$48/68
ATI 2M EDO /3D Xpression	$88/168
ATI 3D PC2TV 2M/4M SD	$178/218
ATI 3D Pro PC2TV 4M SGRAM	$268
ATI TV Tuner Card	$150
Creative Lab 3D Blaster 4M	$268
Diamond 2M Stl64D/3D	$118/168
Diamond 3D 3400 4M VRAM	$310
Diamond 3D Monster 4M EDO	$318
Matrox Myst. 3D 2M/4M SG	$198/248
Matrox Mill. 3D 2M/4M W	$268/368

PCMCIA

3Com EtherLink III PCMCIA	$180
Adaptec APA-1460 SlimSCSI Kit	$238
MegaHertz XJ10BT 10BaseT	$165
MegaHertz XJ4288 28.8 Mdm	$298
MegaHertz XJ4288M 28.8 Cel	$328
MegaHertz 33.6K + 10BaseT	$428
Motorola 28.8K Fax/Modem	$248
New Media WavJammer sound	$298
USR 28.8K FaxModem	$268

RAM/CPU

30pin 1MB / 4MB	$11/38
72pin 4M / 4M EDO	$28
72pin 8M / 8M EDO	$55
72pin 16M / 16M EDO	$110
72pin 32M / 32M EDO	$220
AMD K5-90/256K/E-IDE PCI	$190
P-120/256K PBC/E-IDE PCI	$288
P-133/256K PBC/E-IDE PCI	$338

Digital Camera

CASIO QV-10A+ $550
Store up to 96 Images/Adobe included Transfer to PC / Record to VCR

CASIO QV-100 $788
640x480 Res./Store up to 192 Images

Printers

Color Printer

Canon BJC-240 Color	$238
Canon BJC-4100 Color	$298
Canon BJC-4550 17"x11" Color	$598
HP DeskJet 690C Color	$398
HP DeskJet 820Cxi /870C	$510/650

Laser Printer

Brother HL730DX 600dpi 6ppm	$488
Canon LPB-460 600dpi	$368
HP 5L 600dpi 4ppm 1MB	$548
HP 6P 600dpi 8ppm 2MB	$998
HP 5 / 5N / 5M	$1728/2128/2468
HP 4V/5Si/5SiMx	$2598/3678/5150
Fujitsu 10ppm/14ppm	$868/1088
with 4 FREE toners ($300 value)	
Lexmark Optra Ep 600dpi 6ppm	$968
Lexmark OptraR+ 1200dpi 16p	$1785

Scanner

Epson ES1000C	$888
HP ScanJet 4P / 4C	$668/1168
Logitech Pagescan Color	$368
Microtek ScanmakerE3 Flatbed	$488

Multi-Linguals

TwinBridge Chinese Partner 4.0	$268
Dragon Writer Chinese	$278
GoGo Pen System 3x3/6x6	$268/368

* Lease Based on 36-month lease. / All prices reflect 2% cash discount and are subject to change without prior notice. / All trademarks are the property of their respective owners.

The chip that does Mach-2

• • By PAUL ANGYAL • •

First there was a chip. Then came more chips. CISC and RISC followed. We have embraced the Pentium and congratulated the Pro that broke through the 200 MHz barrier. Having just released the MMX sub-chip for special multimedia flavour, Intel undoubtedly has the fastest turboprop.

Imagine now that somebody just dropped in with a jet that does Mach-2. This is exactly what happened when Exponential Technology Corp. of San Jose, California, announced its X704 chip for PowerPC-based computers at the recent Apple Developers' conference in San Francisco. Rated at 533 MHz, the chip is only the second to exceed the 500 MHz speed limit, after Digital's Alpha 21164. It delivers an impressive 13 SPECInt95 versus the Pentium Pro's 8.09.

The X704 is compatible with the PowerPC 604 chip and fits existing designs, so it is no wonder that Gilbert Amelio, Apple's boss, welcomed it so warmly.

How do they do that?

Exponential's chip uses a bipolar logic, combining super fast bipolar transistors in the logic circuits with economical CMOS in the memory cells. Bipolars are switching states by swinging between two intermediate voltages with a very small difference of only 0.5 Volt. In the case of CMOS, the switching is between minimum and maximum. The smaller the difference, the faster the clock speed.

The X704 holds 2.7 million transistors, about the same as the Intel 486 used to but less than half of the Pentium Pro's inventory. Seven hundred-thousand are bipolar. The manufacturing process is based on 0.5 micron, larger than the current state of the mainstream (0.35-micron). One explanation is that bipolar transistors are hotter, so one cannot pack them too tightly together. The other—and probably the real one—is that it is a less expensive process that will help the chip to make it to the market and be accepted faster.

The X704 is priced at US$1,000, which is what we had to pay for the first Pentium in 1993. Computers built with them should start at US$5,000-plus.

Good news for Mac users

The Exponential chip is expected to appear in desktop computers (Macs and Mac clones) by the middle of 1997. It could easily become the chip of preference for high-end desktop publishing, image processing, animation, and multimedia, all very intensive computing tasks.

Motherboards of high-end PowerPC Macs, such as the 9500, have a slot for a daughter board. The X704 chip sits on one, so an upgrade will be a mere plug-in.

At the conference, the company also demonstrated the chip running on Windows NT 4.0. Rick Bergman, Exponential's press contact, was rather non-committal about the chip's future in that environment, however. ◆

Porn scam dings thousands

World Wide Web surfers who looked forward to viewing lovely figures on their computer monitors have been left looking at the ugly figures at the bottom of their telephone bills.

• • By LEE LESTER • •

An RCMP computer-crime expert is investigating complaints from angry victims who are faced with having to pay their phone companies thousands of dollars. Worldwide, the total is expected to run into the millions. Duped surfers were dinged for sums ranging from as little as $8 all the way up to $6,000.

Visitors to the www.sexygirls.com site thought they were getting free pornographic pictures to download. To see them, however, they first had to download a viewer.

It's a scam, comrade

In fact, the software concealed a Trojan horse, a program that hides itself inside another program. Unknown to the Web prowlers, it changed the settings on their machines. Each time they dialed up, instead of reaching their local Internet service providers, they were connected to a telephone number in the former Soviet republic of Moldova.

The "viewer" even turned off modem loudspeakers, so the unsuspecting surfers were unaware of what was happening. If the computer was left on, the charges kept mounting. Only by rebooting or completely shutting down the machine could the link be broken.

The scheme came to light when a surprised Quebecker was confronted with a $1,000 bill for one phone call. His complaint was quickly followed by hundreds of others from across the country.

From Victoria and Vancouver to Montreal and the Maritimes, they continue to pour in to telephone companies and the police. Bell Canada quickly received over 1,200 alone, and hundreds more went to AT&T and other phone companies in the United States.

Only the prairie provinces of Alberta, Manitoba, and Saskatchewan appear to be unaffected.

Montreal-based RCMP computer-crime unit Cpl. Marc Gosselin says many of those who downloaded the Trojan horse were youngsters, some as young as 12. Their parents learned of their behaviour when the inflated telephone bills began to arrive.

But some parents, says Gosselin, may be blaming their children when they actually made the calls themselves. The real number of those duped may never be known, as most are too embarrassed to complain.

One explanation of the alleged scam is that the phone company receiving the call takes a share of the costs generated by it. Phone companies in some countries have used it as a means of obtaining hard currency. ◆

MapleOak Computer Solutions

Novell Authorized Reseller · Microsoft · 3Com net Working Partners program · AST Authorized Reseller · NEC · TOSHIBA · Hewlett Packard Authorized Reseller · brother · Computer Associates · IBM BESTeam

Pentium® chip 100 *(Windows NT Certified)*

8MB EDO RAM, 1.2 GB EIDE Hard Drive
14" SVGA Color Monitor, NI, .28
1 MB PCI Video Card, 3.5" Floppy Drive
Keyboard, Logitech Mouse, MiniTower Case

$1028 *lease $34/month*

Options :
Pentium® chip 120/133/150/166/200 ...$1048/1118/1178/1328/1598
Intel P55c-MMX-166/200 ... $1488/1798

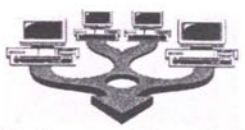
Pentium Pro Chip 200 **$2299** *lease $76/month*

32 MB EDO RAM, 2.0 GB EIDE Hard Drive
15" SVGA Color Monitor, NI, .28
1 MB PCI Video Card, 3.5" Floppy Drive, Keyboard,
Logitech Mouse, ATX Tower Case

Options :
Pentium® Pro150/180 . $1799/2119 Dual Pentium® Pro200..$3599

Customize Your Dream System

8MB to 16MB .....+ $45	16MB to 32MB .....+$95
15"/17" Monitor ..... + 99/400	SONY 15" SX1/SF2 ....+ $315/395
ATI 1/2MB Dram .... +$50/70	ATI 3D2/4mb SDRAM.+$145/180
Matrox2/4mb .....+$185/270	Cardinal 33.6 FAX Modem ...$135
Dos/Win/Win95 +$50/75/140	1.6/2.0/3.2 Gb HD..... +$30/70/170
8x CD-ROM/SB16/Spks.$239	MS Encarta 97 CD Bundle $98



5 years warranty on labor
2 years warranty on parts.
Third year parts warranty, add $50,
First year on-site warranty, add $70.

CA Accpac Plus Software *(CA Authorized)*

G/L, A/P, A/R, WSM, Payroll, Lanpak, Inventory Control,
Sales Analysis, Job Costing, Retail Invoing, ScanPac etc ....available
FREE next-day shipping in Downtown area

Notebook (call for updated price)

Toshiba T200CDS P-100/8MB /810/DSTN/6x CD.....$2299
AST J55 P133/16MB/1GB HDD/11.3" TFT/33.6 faxModem...$3888
ThinkPad 760E P133/16MB/1GB /12.1"TFT/28.8faxModem...$6514
HP Omnibook 800cs P100/810mb HD/16mb/10"DSTN.....$4399
NEC,TI, Sceptre, Digital, Canon, Acer, ... call

Upgrade Your Systems

Memory Upgrade (Can't run some programs? slow? Out of memory?)
4/8/16/32 MB (72).....$25/45/95/195 1/4 MB 30 Pin.....$12/30
8/16/32mb DIMM (Mac)..$65/115/230 Notebook/printer SIMM..... call

Hard Drive & Tape (Not enough space to install new programs?)
1.2/1.6GB IDE ..... $279/309 1/2/4 GB SCSI HD ... $360/480/1379
2.0/3.2/4.0 GB ..... $349/449/549 HP Colorado 800MB.i/e.....$175/225
Iomega 1GB Jazz int/ext. $529/629 Syquest 230MB SCSI/Par.....$389

Internet Upgrade (Information Super Highway?)
Cardinal 33.6 Modem/V . .$135/195 PCMCIA 33.6/MegHertz$268/319
USR 33.6 Modem/Vi, int.....$155/175 ISDN Modem, int..... $288
Internet Junction IPX to TCP/IP Gateway (LAN to Internet) .....$388 up

Multimedia Upgrade (Access to CD-ROM information?)
CD-ROM 8/12x .....$139/169 12x CD-ROM/SB16/Spks..... $269
16 Bit Sound Card ....$39 4x/12x SCSI CD-ROM.....$169/259
SB 16/32/AWE32.....$89/155/259 Microphone (Stand on) $12

Monitor & Video Card
Proview 14"/15"/17"....$239/339/639 Matrox 2/4 SGram 2/4mb$190/235
ViewSonic15/17/20" .$495/879/1935 S3/CL PCI 1MB/2MB $55/75
SONY 15/17/20" .... $565/1180/2280 ATI 1/2MB Dram $99/109
NEC xv15/17/xe21".$549/1149/2529 Diamond 2/4mb vram ... $255/315

Printer (Make your job look nicely)
HP 400c/690c/870c.$265/399/649 Canon BJ240/4100/4550 $229/318/598
Brother 730/760DX..... $439/559 Epson C500/Pro $385/519
HP LaserJet 5L/6p ..... $549/1019 HP LJ 5/5N/5M..... $1799/2120/2485

Motherboard Upgrade (Slow? spend lots time waiting?)
Pentium-133/166/200..$359/559/839 6x86-/150/166/200....$285/355/495
Intel MMX-166/200 ..... $715/1045 AMD K75/100/133 $195/245/275
Pentium® Pro 150/180/200 w/ATX TowerCase $800/1195/1355

TV tuner(watch TV on screen)...$199 Corel Draw 4.0 (CD).....$69
QuickShot GamePad/joystick.. $14ea Logitech mouse.....$25
1.44MB Panasonic FDD.....$29 MS Encarta97 CD bundle $99
Family Doctor .....$10 BC White Page. $88 GuideBooks for Math$25
800 Letters ..... $58 Phone Book ..... $35 Business Library $24
King Quest VII..... $33 7th Guest..... $22 Compton Encyl. 97..$25
1.44mb Disks (10).. $4 PS/2 mouse .....$19 CD Cleaner $9

* Pentium is a registered trademark of Intel Corporation.

Network Support *NOVELL Authorized Windows NT Certified*

Network Operating System:
IntranetWare 4.11 (5/10/25/50/100).....$858/1169/1888/4800/6488
GroupWise5 (5/10/50) ..... $688/3235/6268 ArcServe 6. (25u) $645
ManageWise v2.1 (5/10/25/50 user).....$728/1209/1838/2499
WinNT4 Server 5/10/Workstation/Upg/Lic. $949/1178/289/188/58
*Windows For Workgroup 3.11/Windows 95/Add-on..... $85/140/65
IBM OS/2 Warp Server V4.0.... $799 Lantastic 7.0..... $125

Network Hardware:
3Com Ethernet IIIB, ISA TB 1+/5+/20+/100+.....$143/125/118/109
3Com Ethernet IIIB, PCI TB 1+/5+/20+ $155/145/125
3Com Fast Ethernet 10/100 PCI TB (Cat 5 UTP) 1+/5+.....$185/175
Intel EtherExpress Pro/10 ISA TB 1+/5+/20+..... $159/139/119
Intel EtherExpress Pro/100 PCI TB 1+/5+/20+..... $194/179/169
NE2000 Compt. ISA/PCI...$49.88 SMC EL 16T ultra $129
Xircom/3com PC Card .. $185/228 Pocket LAN adaptor $159
HP JetDirect Printer Server .. $438 Adaptec 2940 SCSI $278
3Com OfficeConnect ..... . $1100 8 /16 Port Hub $165/265
3Com Switch Hub (24) ..... $4388 APC ups 600/900VA$338/478
HP SureStor 2/4GB,i.. $1099/1199 SmartPrinter Starter Kit ..$215
Cable 25'/50'/100'/500'/1000' (BNC or TB)..... $15/25/35/120/220
Terminator/T-connector/Connector ..... $5 each
AST Manhattan S6200 Pentium Pro200/32mb/2gb/8x CD $5448
HP Netserver LC5/Pentium 133 32MB, 2 GB 4x CDROM... $3899
HT Dual CPU Server P133, 64MB, 2*2 GB SCSI,8x CDROM $3198
HT Server P133 64MB, 2*1GB SCSI, 8x CDROM..... $2437
Acer A-OPEN Server P-133, 32MB, 2 GB EIDE, 8xCDROM.$1458
Standby Server, Fault-tolerant for any server $3799
Internet Junction IPX to TCP/IP Gateway (LAN to Internet)..$388 up

VISA · *Service Contract available* · MasterCard · American Express

Shopping On-Line
http://mindlink.net/maple/shop.htm

Maple Oak Computer Solutions Inc. (Since 1990)
Suite 500, 1281 W. Georgia St. Vancouver, BC, V6E 3J7 *(New Location)*
Tel: (604) 681-3770 Fax: (604) 681-3739 BBS: (604) 681-4408
Lease
FaxBack: (604) 681-7771 E-mail: info@maple-oak.com Internet: http://mindlink.net/maple

Aril.1997

ATIC

#45 East Broadway
Vancouver, B.C. V5T 1V4
Tel: (604) 875-8859 Fax: (604) 875-8611
Tech: (604) 879-6800 http://WWW.ATIC.CA
Mon.-Sat.: 9:30am - 6:00pm

RCL

Rock Computer Ltd.
896 West 6th Ave.
Vancouver, B.C. V5Z 1A6
Tel: (604) 879-8642 Fax: (604) 879-8640
Mon. - Sat.: 10:00am - 6:00pm

Since 1989

Intel Pentium 120mhz $970

AT Style

Intel Pentium CPU
Intel Triton2 VX, 256K PBC
EIDE, 2x16550, Parallel
8M EDO 72pin 60ns
1.44 floppy drive
1.26GB hard drive mode 4
1M 64bit PCI SVGA (2M +$20)
14" SVGA 1024x768 .28 NI. LR.
13" tower case w/ CSA power
104 Win'95 enhanced KB
3 button mouse with pad

Special

P5-100/120/133 $950/970/1030
P5-150/166/200 $1070/1200/1460
P5-MMX166/MMX200 $1330/1720
K5-100/133/150/166 $920/940/1020/1100
6xP150+/166+/200+ $940/1030/1190

w/ 16M/32M EDO...+$45/140 60W.... +$20
w/ 1.6G/2.1G.....+$30/60 180W.. +$55
w/ WD 1.6/2.1/2.5/3.2 .....+$30/70/110/150
w/ Monitor15/NEC15/17.....+$100/270/390
w/ 8x/12x CD-ROM.....+$130/140
w/ 16bit sound/ SB16PnP..... +$35/70
w/ 33.6 Voice / USR voice..... +$100/150

Intel Pentium 166mhz $1540

Intel Pentium (P5) CPU
Intel Marl w/Triton2 HX, 256K PBC
EIDE, 2x16550, Parallel
16M EDO 72pin 60ns
1.44 floppy drive
1.6GB hard drive mode 4
ATI M64 PCI 2M DRAM w/MPEG
15" 1280x1024 .28 LR NI digital
17" ATX tower case w/ CSA power
104 Win'95 enhanced KB
Logitec mouse with pad

ATX MMX

P5-100/120/133 $1260/1280/1340
P5-150/166/200 $1400/1540/1800
P5-MMX166/MMX200 $1670/2080

w/ 32M EDO...+$100 w/2.1G.....+$30
w/ WD1.6/2.1/2.5/3.2.....+$20/40/80/130
w/ 17" monitor/NEC15".....+$300/170
w/ 8x/12x CD-ROM.....+$130/140
w/ 16bit sound/ SB16pnp..... +$35/70
w/SB32PnP /SB64AWE..... +$130/245
w/ 33.6 Voice / USR voice..... +$100/150

Intel Pentium Pro 150mhz $1400

Intel Pentium Pro (P6) CPU/256k
Intel Venus w/Natoma 440FX
EIDE, 2x16550, Parallel
32M EDO 72pin 60ns
1.44 floppy drive
2.5GB hard drive mode 4 Quantum
ATI M64 PCI 2M DRAM w/MPEG
17" ATX tower case w/ CSA power
104 Win'95 enhanced KB
Logitec mouseman/MS v.2 with pad

ATX Style

P.Pro P6-180/200 .....$1700/1940
DUAL P6 /One 200mhz CPU..... $2230
DUAL P6 /Two 200mhz CPU.....$3100

w/ Adaptec 2940/UW ..... +$240/$320
w/ WD 2.5 / 3.2G eide.....+$20/50
w/ 2G scsi /4G Wscsi .....+$180/930
w/ MGA Millenum 2/4M.....+$140/240

MS-HOME CD Pack (w/cd,system only): $80.00
MS-Encarta'97, MS-Money, MS-Works, Golf
MS-Explorer Solar System, MS-Samplers.
96' Best 10 cd pack .....: $40.00
Windows'95 full ver. on cd (w/system only):$120.0
Discovery 8x/SB32pnp/12 titles/Speakers..: $340.0

SPECIAL

Epson 400/600/800.....$345/430/620
Quantum2.5/3.2/3.8.....$330/370/400
WD 2.1/2.5/3.1.....$305/330/395
SB16Pnp/AWE64Pnp..only$70/250
ZipDrive (US$50 rebate).....$248
Zip disk/Jaz disk.....$18/125
USR33.6 voice/SpeakerPone...$148
33.6VoiceFaxModem.....$100
Flate 15" 1280x1024 digital....$315
HP 690C/820C/HP5P..$395/495/520

WWW.ATIC.CA

We are the First:

in Vancouver to sell:
- *Intel P5-120,133,150,200 systems*
- *EDO and PBC*
- *Endeavor Serials*
- *Aurora and Venus*
- *Intel P6 180/200 CPUs*
- *Intel Dual P5/P6 systems*
- *Intel MMX 200mhz CPU*

We pioneered in the past. We anticipated the present. And, you can be sure we're working on the future.

RAM / CPU

4M/EDO 72pin $22/22
8M/EDO 72pin $48/48
16M/EDO 72pin $100/100
32M/EDO 72pin $195/195
64M/EDO 72pin $480/480
1M/4M 30pin $9/28
Parity 4M/8M 72pin.....$35/50
Parity 16M/32M 72pin $110/215
DIMM 8M/16M 168pin.....$60/90
DIMM 32M/64M 168pin....$200/440
ECC DIMM 32M/64M $240/445
INTEL MMX 166/200.....$525/850
AMD K5-75/100/133.....$58/90/120
Intel P5-100/120/133....$130/150/190
Intel P5-150/166/200....$245/390/650
Intel P6-150/180..SPECIAL $290/680
Intel P6-200 256k/512k.....$860/1820
6x86P150+/166+.....$120/195

MOTHERBOARDS / FD

Triton2 VX 512k PBC/MMX.....$125
SpaceWalk VX 256k MMX $145
GA586HX 512k PBC/MMX.....$185
Asus T2 HX 512k PBC/MMX...$195
Asus T2 ATX 512k PBC/MMX.$215
Tyan S1470/dimm, 256k.....$220
TyanTomcat III/ Dual P5/512.....$340
Intel Marl HX ATX,UPS/MMX..$185
(UPS port ready, only Marl2)
Intel Tucson HX ATX s16,MMX.$245
Intel 440FX Venus P6, ATX.....$300
Intel Dual P6 ATX,UWscsi.....$745
Dual P6 Supro Natoma,AT.....$550
Dual P6 Tyan Natoma,AT.....$590
CPU fan 486/P5/P6.....$7/8/13
256k/512k PBC.....$15/30
FD 1.44 .....$30

Hard Drives / Controllers

1.2G/1.7G/2.1G.....$230/265/280
WD1.28/1.6/2.1G.....$260/280/305
WD 2.5G/3.1G/4.0.....$335/385/500
Quantum 1.2/2.1.....$255/310
Quantum 2.5/3.1/3.8.....$335/375/400
Seagate 1.2/1.7/2.1.....$250/265/285
Fujitsu 2.5G/ Seagate 2.5G.....$325/340
Quantum 2.1 scsi/W/UW...$450/610/730
Quantum 4.3G Wscsi/UW....$1250/1320
Seagate 4G UW scsi $1490
Seagate 9G wide scsi $2600

ISA 16bit super I/O 2x16550.....$35
VESA 32bit 2x16550.....$35
Adaptec 1520/1522 scsi.....$85/95
Adaptec 2940/2940ultra.....$240/250
Adaptec 2940W/2940UW.....$290/300
scsi /wide scsi cable.....$10/20

Tape / Zip Drive

HP colorado T1000/E $160/200
HP T2000/E.....$230/280
ZIP 100M scsi int/ext ...$248(- us$50)
Jaz 1G scsi int/ext.....$500/605
MicroSolusion 3 in one.....$700
Ditto 800M int/ext.....$155/180
Ditto 2GB Traven int/ext.....$200/250
DC2120/2120XL $18/25
Traven TR1/TR3 tape $36/60
Zip disk 100M $18
Jaz disk 1G.....$125

CD Writer

HP SureStore 6020 .....$920
Creative 4x/2x w/ctrl/sft.....$585
Yamaha 100 4x/4x in/ex.....$990/1120
Sony CD Writer CSP940 w/ctrl...$890
TDK/SONY writable cd-disk.....$10

PRINTER

Panasonic24p/OKI 320T....$240/360
Canon BJC240/4100.....$245/300
Canon BJC4550.....$560
HP 400C/690C.....$250/395
HP 820Cxi/870Cxi.....$510/640
Lexmark2050 (limited).....$380
Panasonic KXP6100 laser.....$390
Brother HL730dx.....($400) Special
HP 5L 600dpi,.....$525
HP 6P/6MP, 2M,8ppm.....$945/1250
HP 5/ 5N/ 5M $1680/2100/2460
HP 4V/5si/5siMx...$2550/3650/5130
Epson 400/600/800/pro..$Special ***
HP 5P scaner.....$510 **
HP 4C scaner.....$1115
Microtek E3/3.....$390/1390
IBM pagescaner.....$400(limited)

MONITOR / Video Card

14"/15"/17".....$235/320/615
Acer 15"/17" digital.....$360/700
MAG DX 15T/700T.....$455/870
NEC C500/M500.....$530/620
NEC XV17+/M700.....$1080/970
NEC P750 17" 1600.....$1220
Sony 100SX/SF 15".....$530/610
Sony 200SX/SF 17".....$920/1090
Viewsonic 17PS/GS.....$950/830
NEC P1150/Sony20SF..$2680/1980
PCI 64b 1M/2M.....$35/50
PCI 64 w/MPEG 1/2M.....$40/60
ATI 64 1M/2M DRAM.....$60/80
ATI Xp 3D/Diamond 3D 2M..$150
ATI 3D PC2TV 2M/4M...$165/210
ATI 3D ProTurbo4M/8M...260/300
Millenum 2M/4M 1600...$240/340
Misteque3D 2/4M 1280...$180/210
SOJ RAM for Video 1M.....$15

CD-ROM / Sound Card

8x / 12x eide CD-ROM.....$125/135
16x eide/ 8x scsi $200/300
Discovery AWE64 kit .....only$370
16bit sound card/SB16pnp.....$30/70
SoundBlaster 32 Pnp.....$130
SB64 Awe Pnp retail box.....$250
60W/80W/230W Speaker....$20/25/55

FaxModem

33.6FaxVoiceMod/ USR.....$100/150
33.6Voice retail int/ext.USR..$210/240
Supra 33.6 VoiceFaxModem..... $120

Mouse / Case /Keyboard

Mouse/logitech 2B.....$8/18
Logitech 3B/MS v.2.1a.....$30/35
13"/15"/19" w/power.....$48/53/65
ATX 17"/ Full tower.....$105/110
104KB/Fujitsu8725/4725....$20/30/60
Microsoft Nature Kbd $85

NETWORKS

16bit ISA Combo Ethernet.....$35
32bit PCI Combo Ethernet.....$60
Intel ISA Ethernet Pro 10+.....$99
Intel ISA Ether Pro 10+ Combo.....$140
Intel PCI Ethernet Pro 100.....$140
3Com Etherlink 16 comb/10B..$140/120
3Com Ether PCI 509B (10B).....$150
3Com Ether PCI 900 (100BT).....$180
BNC/Terminator/T $5
Coax Cable 10ft/20ft/50ft.....$15/20/35
Netware 5/10 users.....$900/1650
NT 4.0 Server 5 /10 user $890/1100
NT 4.0 Workstation $280

NoteBook List on WWW.ATIC.CA

(all Prices listed are cash discounted and the prices and specifications are subject to change without notice)

Storefront? What storefront?

• • By JUNE CAMPBELL • •

Who needs a storefront when you can use the Net? BC entrepreneurs are delving into cyberspace with gusto. From counselling to condoms to backhaul brokering, these "new frontierspersons" are peddling their goods and services electronically:

Backhaul Network Inc.
E-mail: save@backhaulnet.com
WWW: http://www.backhaulnet.com/

This business brokers "backhaul" loads to long-distance truckers. The backhaul is that vital return trip, which can make or break a trucker economically. Mike Paterson of Burnaby puts truckers in touch with suppliers, and does it all over the Internet. The idea was born in late 1996, when Paterson chatted with a trucker from Tennessee who was trying to pick up a load for his trip home According to Paterson, response so far has been favourable.

BRAND NEW SAMPLE & USED PARTS DEAD & DAMAGED UPGRADES

主機板 顯示器 機箱 磁碟機 記憶體 電腦用品 軟體 電腦升級 電腦系統

CASE FLOPPY DRIVE COMPUTER ACCESSORIES MOTHER BOARD RAM MONITOR

OUTLET

CE COMPUTER OUTLET
118-4800, No.3 Road, Richmond, B.C. Canada V6X 3A6
Tel: (604) 278-2633 Fax: (604) 278-2661

ATTN: Students, Electronic hobbyists & Smart buyers.

Build your own system or upgrade your system from 286 to 386 to 486. We have a huge selection of new items in-stock.

WE TAKE TRADE-INS TOO!!

STORE HOURS
Monday-Friday
11:00am - 7:00pm
Saturday
11:00 am - 6:00pm
Sunday & Holidays
closed

- NEW AND USED COMPUTER PARTS & COMPONENTS.
- WE ALSO PROVIDE SERVICE, MAINTENANCE, REPAIR AND UPGRADE OF COMPUTER SYSTEMS.
- WE PROVIDE SERVICE FOR CHANGING POWER SUPPLY COOLING FAN AND MONITOR REPAIR TOO !
- FREE ESTIMATES BEFORE ANY WORK REQUEST.

INTEL PENTIUM SYSTEMS

P - 100 $1040 P - 150 $1160
P - 120 $1060 P - 166 $1340
P - 133 $1110 P - 200 $1630
* Intel Triton Chipset Motherboard w/256K PIPE LINE Burst RAM
* 16MB EDO RAM (72 Pin)
* 1.28 GB Enhanced IDE HDD
* 1.44MB (3 1/2") Floppy
* PCI 1MB Video Card (exp. 2MB)
* EIDE with 2X 16550, 1 Para Port
* 14" N/I L/R SVGA .28dp, Monitor
* 13" Mini Tower Case
* 104 Windows 95 Keyboard
* Mouse & Pad

UPGRADES

Multimedia 8X CD ROM
- Sound Blaster 16 Plug & Play
- Speakers (Amp & power) + $260
Modem/ Fax
- 33.6 S/R Voice + $130
Memory
- 32M EDO RAM (72 pin) + $100
Hard Drive
- 1.6GB (Mode 4) + $30
- 2.1GB (Mode 4) + $70
Monitor
- 15" SVGA NI L/R .28dp + $110
Video
- ATI Mach 64 EDO 3D/2m + $110
- Stealth 64 EDO 3D/2m + $110
Printer
- Canon BJC-4100C + $299
Mouse
- Microsoft/ Logitech (OEM) + $30
CD-ROM
- 12X + $40

SPECIAL (New Items)
64 Bit PCI Video Card
With 1m/2m.....$39/$60
Ergonomic Keyboard....$23
LIMITED STOCKS !!!

COMPUTER ACCESSORIES (from $1.00 & up)
Power Supply-
- Cooling fan
- Parts
Cables-
- Power Cord 6'
- Set of IDE/Floppy Cables
- IDE Cable
- Dual Floppy Cable
Cleaning Kits-
- 3.5" or 5.25" Head Cleaning Kit
- Mouse Pad
- MFM Cable (set)
Hardware-
- Screws, Studs, Edge Connectors, Cables, Rails, Etc...

TWO YEARS PARTS & LABOUR WARRANTY FOR SYSTEMS

Company Policy
- No cash refund
- No guarantee on availablity of advertised items
- Most items have limited quantity, ie first come first serve basis
- All sales are final.

- All above prices are for cash & carry only
- No visa or cheque will be accepted
- All brand new items have 1 year warranty
- All used parts * components have 30 days warranty.
- All obsolete & damage items have no warranty.

樣品和舊電腦 舊零件 損壞的電腦和零件 全新電腦和大量零部件

Bizresource.com

E-mail: wendyweb@bizresource.com
WWW: http://www.bizresource.com/

With a site named by *The New York Times* as one of the best business-promotion sites on the Web, Abbottsford entreprenuer Wendy McClelland provides a cornucopia of services, including writing e-mail newsletters and news releases, and also has a number of "joint ventures" happening via e-mail. McClelland is best known as a motivational speaker and writer. Her newest accomplishment is the writing, hosting, and promotion of *Success Unlimited*, a cable-television show set to debut in February 1997.

Condomville

E-mail: Condomville@islandnet.com
WWW: http://www.islandnet.com/Condomville/

Anita Roy, from Nanoose Bay on Vancouver Island, has a brand new, unpromoted Internet venture that has already processed orders for specialty and regular condoms. When Roy decided to opt out of the rat race of office politics and commuting, she learned that sports and sex were the two most frequented Net destinations The Condomville concept was created. Ten per cent of profits go to AIDS education and the International Planned Parenthood Federation.

Human Resource WWW Metacentre

E-mail: vci@vciglobal.com
WWW: http://mindlink.net/vci/

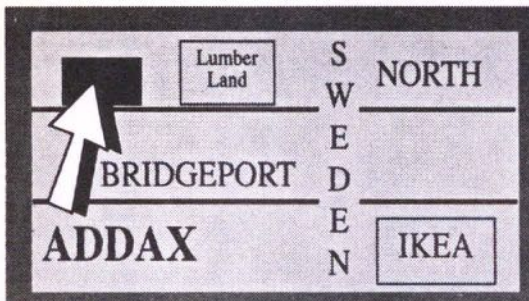
This online human-resource centre started and remains a "virtual collaborative." Spokesperson Garfield Johnson reports that he has not physically met all of the members, and remarks "We originally did some business internationally and by e-mail even. The members do not all work on, or from, the initiative full time. Because it has not yet led to major portions of their businesses, it does not economically command more of their time." Johnson has long been a well known advocate of small business on the Internet.

Nicheware Internet Solutions Inc.

E-mail: info@nicheware.com
WWW: http://www.nicheware.com/

Eighteen months ago, Lynn Hauka of Sechelt, BC went online with ESR, an Internet marketing and research company, ESR's clients are a range of business, government, non-profit, and private organizations who wish to develop their Net presence. Last summer, Hauka teamed up with a software programmer to start a second online business, Nicheware Internet Solutions Inc. The premier product is "Siteline," a Web-site visitor-tracking program. Almost three weeks to the day after launch, Nicheware received its first order.

continued on page 36



ADDAX

Best quality, Best service, Wholesale Prices COMPUTER Inc.

#21-12391 Bridgeport Rd.
Richmond B.C. V6V 1J4
Tel: (604) 244-0793
Fax: (604) 244-9762
Mon-Sat: 10am to 6pm

Prices are subject to change without notice! Systems are Internet Ready with 1 month FREE access. 3 years labor and 1 year parts warranty.

586 PCI SYSTEM
5x86 - 133mhz CPU

PCI/ISA MB w/4x72 Pin RAM Slot
Fast I/O 4 EIDE & 1P/2x16550
8MB RAM (exp.128MB)
630 MB Seagate EIDE Hard Drive
Panasonic 1.44M Floppy Drive
64 bit PCI 1M SVGA Video Card
14" NI/LR .28 SVGA Monitor
104 Key win95 Keyboard
13" Tower Case w/230w PS
3 Button Mouse & Pad

$788!

MULTIMEDIA OPTIONS
$159

Panasonic 4x CD-ROM
Yamaha 3D PnP Snd. Card
Microphone
60W Speakers

6X 86 SUPER DEAL

Cyrix 6x86 P150+ $1678
Cyrix 6x86 P166+ $1738
Cyrix 6x86 P200+ $1878

Triton III PCI MB, **512K** Pipeline Cache
Fast I/O, 4EIDE & 1P/2X16550
4x72 & 1 x 168 Pin SDRAM, USB
32MB EDO RAM
12x CD ROM EIDE
2.1GB EIDE Hard Drive
Panasonic 1.44MB Floppy Drive
3D 64bit 2M (exp.4M) MPEG Video
15" Acula NI/LR/Digital/OSD Monitor
Zoltrix **33.6 Voice** Fax Modem
Yamaha 3D Surround PnP Sound Card
Win95 Keyboard
3B Mouse & Pad
19" Case w/230w PS
60W Speakers

POWER SYSTEMS

Pentium 100/120/133 $948/968/998
Pentium 150/166/200 $1058/1208/1458
Cyrix 6x86 P150+/P166+ $948/1008
MMX P166/P200 $1338/1629

- Triton III MB 256k PBC USB
- Fast I/O 4 EIDE & 1P/2x 16550
- 16MB EDO RAM (exp.to 128)
- 64bit 1M PCI SVGA Video Card
- 14" NI/LR SVGA Monitor
- Panasonic 1.44M FD
- 1.28G Hard Drive
- Win95 Keyboard
- 13" Case w/230W
- 3B Mouse & Pad

MULTIMEDIA SYSTEMS

Pentium 100/120/133 $1428/1448/1478
Pentium 150/166/200 $1538/1678/1938
6x86 P150+/P166+ $1428/1498
MMX P166/P200 $1818/2118

- 64bit 1M MPEG Video
- 16bit PnP Sound Card
- 8x CD ROM EIDE
- 15" Acula NI/OSD/Digital Monitor
- 33.6 Voice FaxModem
- 60W Stereo Speakers
- 2.1 GB EIDE Hard Drive
- 15" Tower Case 230w PS

UPGRADE OPTIONS

8M→16M EDO $41
16M→32M EDO 89
256K→512K PL 20
14"→15" Monitor 99
15"→17" Monitor 279
1.28G→1.6G HD 30
1.6G→2.1G HD 40
2.1G→2.5G HD 40
Video RAM 1M-2M 15
Win95 Full Vers CD 105
104 Keyboard→MS Keyboard.$70
8x→12x CD ROM 30
15"→19" Tower Case 10
3B Mouse→MS Mouse 18
Speakers 60w→130w 25

Upgrade your 348/486 to 5 X 86-133MHz for only $159!!!

We sell various computer and internet books for less than half prices!

PCI VIDEO CARDS

Trident 9680 64bit 1M MPEG $49
Cirrus Logic 64 bit 1M 38
S3 Trio 64 V+64bit 1M MPEG 54
S3 3D MPEG 2M (Exp.to 4M) 79
Diamond Stealth 3D 2M 148
Cirrus Logic 5446 M64 bit MPEG ...52
ATI 3D MPEG 2M SDRAM 155
ATI 3D +PC2TV 2M SDRAM 167
ATI 3D +PC2TV 4M SDRAM 207
ATI TV Tuner Card 137
Matrox MIllennium 2M WRAM 249
Matrox Millennium 4M WRAM 339
STB Lightspeed bit and 2M 145
STB Velocity 4M VRAM 219
Video Card EDO RAM 1M 15

MONITORS

14" KTX 1024X768 NI/LR $249
15" Proview/PC Partner NI/LR 339
15" Acula NI/LR/Digital 369
15" Sceptre NI/LR/Digital/OSD ...369
17" Sceptre speaker & Microphone .699
17" Acula NI/LR/Digital/OSD 649
Samsung 15" GLE .28DP 465
Samsung 15" Gli .26DP 515
Samsung 17" Gli .28DP 849
Samsung 17" Glsi .26DP 1019
MAG DX1795E 17" .28DP 755
MAG DX1795 17" .26DP 835
MAG DX700 17" .25DP 950
ViewSonic 15" GS 509
ViewSonic 17" PT770 998
ViewSonic 17" GT 770 925
ViewSonic 17" GS 830
ViewSonic 17" PS 950

MOTHERBOARDS

Pentium Triton III PCI MB $128
4EIDE 1P/2 x 16550 256K PL Cache
4x72/1x168pin SDRAM USB Port
ASUS T2P4 HX 256K PL 192
ASUS VX 256K PL 185
586/486 PCI/VLB/ISA MB 92
Fast I/O, 4EIDE, 1P/2x16550, 4x72pin

PRINTERS

Canon BJC240 Color Printer $229
Canon BJC4100 Color Printer 299
Canon LBP 460 Laser 355
Panasonic KX-P6500 479
Brother HL730DX 600DPI 6PPM ...435
Brother HL760DX 1200DPI 6PPM ..544
Bro.HL1660 1200DPI 17PPM 1395
IC-100 Scanner 400 dpi 89

CASES

13" Tower Case w/230wPS $46
15" Tower Case w/230w PS 52
19" Tower Case w/230w PS 64
25" Tower Case w/230w PS 95

FAX/MODEMS

Zotrix 33.6 Fax/Modem $105
Zotrix 33.6 Voice Fax/Modem 119
GVC 33.6 Voice Fax/Modem Ext ...165
USR 33.6 Fax/Modem Int 152
USR 33.6 Voice Fax/ Modem Int ...165
KTX 22.8/33.6 Fax/Modem Ext. 128/145

We do not accept credit cards

LEASING IS AVAILABLE

HARD DRIVES

630 MB EIDE $189
1.08GB EIDE 235
1.28GB EIDE 242
1.7GB EIDE 269
2.1GB EIDE 308
2.5GB EIDE 345
2.7GB EIDE 359
3.5 GB EIDE 429
WD 1.6GB 279
WD 2.1GB 304
WD 2.5GB 359
WD 3.1 GB 395
2.1G SCSI 475
Fast SCSI Controller 169

SOUND CARD

Acer 16bit Stereo PnP $39
Yamaha 3D Surround PnP 45
Sound Blaster 16Bit PnP 85
Sound Blaster 32 PnP 135
SB AWE 64 PnP Retail Box 249
60W Speakers 29
300W Speakers 75

CD-ROM

4X Panasonic $85
8x Panasonic/Hitachi/Tatung 129
12x Panasonic 145

Keyboard/Mouse/Misc.

Misumi Win95 Keyboard $20
Misumi Mouse 8
Panasonic 1.44 Floppy Drive 30
PCI 32Bit PnP Ethernet Card 47
8 Port Ethernet 10BASE-T Hub 129
16 Port Ethernet 10BASE-T Hub ...169
Switch Box for 2 Printers 25

MEMORY

30pin 1M/4M $8.50/26
72pin 4M/EDO 27/27
72pin 8M/EDO 41/41
72pin 16M/EDO 92/92
72pin 32M/EDO 187/189
256K Pipeline Cache 20
512K pipeline Cache 40

CPU

Cyrix 5x86 - 100MHz $59
AMD 5x86 - 133MHz 59
Intel P100/120/133 .....139/149/199
Intel P150/166/200 .....249/394/645
Cyrix/IBM P150+ 149
Cyrix/IBM P166+ 194
AMD K5-75/90 MHz 57/69
Please Call to check daily prices

TAPE/ZIP DRIVE

ZIP 100M PARALLEL $215
ZIP 100M SCSI 249
Zip disk 100 MB 17.8
Ditto 800M int/ext 154/189
Ditto 2G Traven int/ext 199/259

NOTEBOOK (1 yr warranty)

SCEPTRE S3900 Multimedia ....$call
P100-TCP/8Mb/1G/11.3"DSTN/SOUND
SCEPTRE S3900 Multimedia ....$call
P133-TCP/16Mb/1G/11.3"DSTN/SOUND
SCEPTRE S4000 Multimedia ....$call
P133-TCP/16Mb/1G/12.1"TFT/SOUND
SCEPTRE S4000 Mutlimedia ....$call
P133-TCP/16Mb/1G/12.1"TFT/SOUND/6XCD
SCEPTRE S4000 Multimedia .....$call
P150-TCP/16Mb/1G/12.1"TFT/SOUND/6XCD

ADDAX@ Computer is USA based computer wholesaler which has been successfully serving our customers since 1989. We sell parts and systems at wholesale prices.

Do you want to do 3D Animation or Digital Video?

3D ANIMATION DIGITAL VIDEO

Kinetix 3D Studio MAX
Best prices from Canada's largest 3D Studio Dealer

Directly competing with other high end SGI app's MAX is here and it's hot.... Before you buy any package come see the industry standard PC Animation tool. Call today for Vancouvers best prices on both full packages and upgrades.

STUDENT MAX.. $895

CALL Today for a DEMO

We also carry a variety of 3D Accelerator cards for MAX, Lightwave and SoftImage.

NEW BOOKS and MAGS

IC Technology is proud to announce we now carry a wide variety of trade magazines such as CGW, 3D Artist, Digital Video and others.

We also carry a range of books relating to MAX and Lightwave.

ic technology

Broadcast Video at affordable prices

Outstanding PROFESSIONAL VIDEO quality from DPS (makers of the PAR). SCSI-2, PCI bus, Component Video& Betacam @ 60 fields/ sec, 720x480 resolution. Real-time capture and playback Video & Animation. Works with many powerful editing packages such as Speed Razor, Premiere and Video Action NT.

DPS AUTHORIZED FULL TURNKEY DIGITAL PROCESSING SYSTEMS INC DUAL PENTIUM PRO SYSTEMS AVAILIABLE

miro VIDEO DC30

Professional studio-quality nonlinear digital video and audio editing system. Capture, edit, add special effects or titles to your video, mix CD-quality audio, and then output the final cut to video tape. Perfect for Wedding and Family Videos..... includes...

Full Version of Adobe Premiere 4.2 Photoshop LE and 3D F/X Only $1395.00

1252 Burrard St. Vancouver
604 681 7057 www.ictech.ca

Storefront? What storefront? ...

continued from page 34

Stitchhiker

E-mail: achtner@netidea.com
WWW: http://www.netidea.com/~achtner/

Birthe Wilson Achtner, a fabric designer from the Kootenays, designs counted cross-stitch kits of Kootenay Heritage Buildings. Her kits reflect the beautiful heritage buildings common to Nelson and surrounding areas. Although sales so far have been primarily local, Achtner anticipates a wider market in coming months.

Therapy Online

E-mail: therapy@deepcove.com
WWW: http://www.deepcove.com/therapy/

Professional therapists Lawrence James of North Vancouver and Dan Mitchell of Saskatoon, Saskatchewan, offer counselling services to the Internet community. Potential clients take a brief self-test to decide which of the two available services would be most beneficial. "Ask PAttY Q" (a professional answer to your question) is available for those who have a single question to ask. "Therap-e-mail" is available for those whose problems require a more in-depth response.

Vigilant Internet Services

E-mail: maureen@vigilant.bc.ca

Maureen Kulak from the Lower Mainland reports that this family business offers a unique service: a customized search of newsgroups. The 1,000 subscribers worldwide receive automatically e-mailed articles on subjects requested. This service is available free to subscribers.

Widening the scope

The trend isn't limited to BC. Here's a sampling of small, Internet-based business from across the nation:

Art à deux, Ltée (Art for 2)

E-mail: artcards@premiumproducts.com
WWW: http://www.pathcom.com/~gfx/

Canadian fine-art greeting cards, originally designed for every occasion, from Barbara Sybal in Mississauga, Ontario

Call Mom Line, CML Publishing, and The Internet Organizer

E-mail: callmom@mts.net
WWW: http://www.mts.net/callmom/

Phyllis Threinen of Dauphin, Manitoba, offers booklets, pamphlets, and an Internet Organizer.

The Secretary: Word Processing and Office Services

E-mail: wordpros@inforamp.net
WWW: http://www.inforamp.net/~wordpros/

Fiona K. Fars of Toronto provides e-mail management. E-mail messages are faxed back and forth and answered online.

June Campbell is the owner of Nightcats Multimedia Productions. You can reach her by e-mail at June_Campbell@mindlink.bc.ca or by phoning (604) 980-3219 during business hours. ♦

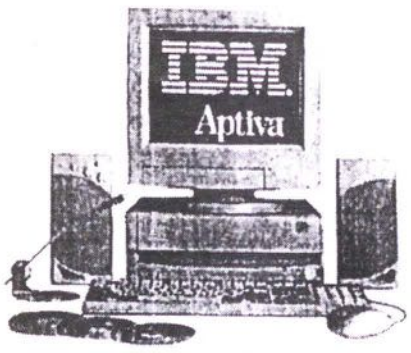
TANGENT COMPUTERS 天鈞電腦公司

Tangent Multimedia Pentium 120 System for $2498

購買IBM良機 Buy IBM Aptiva™

Please call for latest price

◆ **Features: Intel Pentium 120-200 MHz**



1. 8/16MB RAM Expandable to 128MB
2. 1.0/1.6/2.0/3.2 GB HD
3. 28.8K Voice Fax Modem
4. Communications Centre
5. MPEG Video Card
6. 4X/6X/8X CD-ROM
7. 14"/15"/17" IBM Monitor
8. Lots of Software

intel inside pentium

Business Partner

◆ Features Depends on Models
◆ 1 Year Warrenty on Monitor, Keyboard, Mouse, Speakers

- Standard 3 Year Express Exchange Warranty
- Reliability and Quality You Can Trust
- Easy to Learn and Use for All Human Beings

- ASUS Latest Pentium **Triton 2** Main Board, P55T2P4
- 16MB EDO RAM, 256 K **Pipeline Burst RAM**
- 1.7 GB HD, **US Robotics 28.8K** Int Fax/Voice DSVD Modem
- **2MB** PCI **64 Bit** SVGA Card
- SB 16 Plug & Play Sound Card
- Japanese 8X Speed CD-ROM
- NEC XV15+ 15" NI L/R SVGA Monitor
- 15" Case/230 Watt PS
- Logitech Mouse/Pad
- Windows 95 Preloaded
- 1997 Encyclopedia CD Bundle
- Powerful **YAMAHA** M-15 speaker
- **2 Years** Parts and **3 years** Labour Warranty

FREE upgrade to 32MB EDO RAM w/system purchased continues

SPECIAL FEATURES: NEC XV15+ MONITOR & USR 28.8K INT DSVD MODEM ASUS Triton 2 Main Board

Prices subject to change without notice

Quality & Service is our Name!

We offer competitive prices on all IBM Computers

IBM and Aptiva are registered trademarks of the International Business Machine Corporation (Prices subject to change without notice!)

NEC Intel Processor dealer
HEWLETT PACKARD Authorized dealer
Canon Authorized dealer

2221 West Broadway, Vancouver, B.C. V6K 2E4 (Free underground parking)
Business hours: Tue.-Sat. 10:00am-6:00pm, Sun: 12:00am-6:00pm; Mon.: Closed

Tel: (604) 737-9918 Fax: (604) 737-9928

Cookie crumbs

• • By MYLES WHITE • •

Last month's White's Bytes column about cookies drew numerous queries. We also received many suggested methods to prevent more from being stored on your hard drive (at least in Netscape Navigator), which we've now tested.

First, a recap: "Cookies"—AKA magic cookies, HTTP cookies, persistent cookies, and "persistent client state HTTP cookies"—are small text files that may be sent to your computer from an Internet Web site without your permission. Cookies can be resident on your hard drive and sent back to the site the next time you visit or be sent back to the site immediately. In either event, they can transmit data that can be stored and analyzed—and that you may not want the site's owner(s) to know.

The solution to invoke the warning procedure offered by both Netscape Navigator 3.x and Internet Explorer 3.x is repeated here for those who missed it:

Netscape Navigator 3.x

1. Under the Options menu, choose Network Preferences.
2. Select the Protocols tab.
3. Click on the Accepting a Cookie checkbox, under Warn Before..., and hit Okay.

Microsoft Internet Explorer 3.x

1. Under the View menu, choose Options.
2. Select the Advanced tab.
3. Click on the Warn Before Accepting Cookies checkbox, and hit Apply.

Any time you visit a site offering a cookie, you'll be notified with a pop-up window and asked whether you want to accept it.

The procedure for finding, eliminating, and preventing cookies differs depending whether you're using *Navigator* or *Explorer* under Windows 95 or *Navigator* under Windows 3.1x.

continued on page 39

MDI Internet

$18.88 Monthly

- T1 Connection
- $18.88 Monthly/150 hrs. per month
- E-mail to pager service (optional)
- Roaming Internet Service (optional)
- Free set-up software and manual

We also sell Cantel pagers!
business customers are welcome!

THE BEST
JOIN NOW

MDI (CANADA) LTD.
Your Sweet Home http://www.mdi.ca
700 - 1080 Howe Street, Vancouver, Canada V6Z 2T1
Tel: (604) 602-9168 Fax: (604) 602-9108

PageMart Pager
- Only $4.95 per month

Let's Talk Modem

USR 33.6 Int. Fax PnP	$145.95
USR 33.6 Int. Voice/Fax PnP	$159.95
USR F-Duplex voice mail 33.6	$229.95
USR 28.8 Ext. Fax	$225.95
Supra 33.6 Int. Fax/voice/modem	$136.95
Zoltrix 33.6 Int. Fax/modem	$ 94.95
Zoltrix 33.6 Int. Fax/mod/Voice	$108.95

PRICE CHANGE WITHOUT WARNING

SCREEN BURN

Proview 14" N.I. L/R .28 SVGA	$239.95
Proview 15" .28 FLAT SCREEN	$319.95
Proview 17" .28 FLAT Screen	$619.95
NEC C500 15"	$545.00
SONY 15SF II .25 PnP	$619.95
Viewsonic 17PS	$959.95
NEC M700 17"	$1039.95

In Living Colour

Trident 9440 PCI 1M exp. to 2M	$ 32.95
S3 Trio 64+ MPEG EDO 1MB	$ 48.95
Cirrus Logic 5446 2mb Mpeg	$ 59.95
S3 Virge 3D 2MB /4mb	$89.95/125.95
ATI Mach 64 2M Dram MPEG	$79.95
ATI 3D RAGE 2 PC2TV 2MB	$169.95
Diamond Stealth64 2M Dram Mpeg	$109.95
Diamond Stealth64 2M Vram 3D	$245.95
Diamond Stealth64 4mb Vram 3D	$315.95
Matrox Mellenium 2m/4m Wram	$245.95/$349.95
Matrox Misteque 2M/4M	$238.95/$298.95

Think Cpu/Motherboard Think Savings

AMD 5x86-133 PCI/ISA 256K	$159.95
Intel P-75 Triton VX 256k PPL	$199.95
Intel P-120 Triton VX 256k PPL	$269.95
Intel P-133 Triton VX 256k PPL	$319.95
Intel P-150 Triton VX 256k PPL	$399.95
Intel P-166 Triton VX 256k PPL	$539.95
Intel P-200 Triton VX 256k PPL	$789.95
Gigabyte GA-586VX Triton II 512K	$169.95
Asus Triton II P/I-P55TVP4	$185.95
Intel P-166 MMX/ P-200 MMX	$559/$955

CALL FOR AMD & CYRIX CPUs

Simmply #1

4MB 72Pin Simms	$ 22.95
4MB 72Pin EDO	$ 23.95
8MB 72Pin Simms	$ 38.95
8MB 72Pin EDO	$ 39.95
16MB 72Pin	$ 85.95
16MB 72Pin EDO	$ 85.95
1MB 30Pin Simms	$ 7.50
4MB 30Pin Simms	$ 26.95

All Listed Prices Reflict Cash Discount

Let's Print a Deal

Canon BJC-240 Color 360dpi/Mono 720dpi	$245.95
Canon LBP-460 laser 600dpi	$375.95
Brother HL630 Laser 300dpi	$415.95
Brother HL760 Laser 1200dpi	$599.95
Brother 1250 fax/Laser printer/scanner	$499.95

CALL FOR SUPER DEAL ON HP

DRIVERS' ED CHAPTER I

1.44 Floppy Drive	$ 29.95
Seagate 630MB	$189.95
1.2GB Hard Drive	$249.95
1.7GB Hard Drive	$275.95
2.1GB Hard Drive IBM	$309.95
3.2GB Hard Drive Quantum	$389.95
Quantum 3.2GB SCIS HD	$549.95

MultiMania

Panasonic 8x CD-ROM	$145.95
Hitachi 8x CD-ROM	$135.95
Panasonic CD-ROM 12X	$175.95
Pioneer CD-ROM 12X	$169.95
Pioneer SCIS CD-ROM 12x	$219.95
16Bit PnP Sound Card Full duplex	$ 36.95
SoundBlaster 16 (PnP)	$ 77.95
SoundBlaster 32 PnP	$134.95

MITSUBISHI MONITORS
SUPER SPECIAL

Diamond Scan 15HX 15" .28	$ 549.95
Diamond Scan 17HX 17" .26	$1130.95
Diamond Pro 17TXM 1600*1200 17" .25	$1369.95
Diamond Scan 20H 20" .28	$2289.95
Diamond PRO 21TX 21" .30	$2470.95

Computer
MEMBER of BETTER BUSINESS BUREAU

TWO YEARS PARTS AND LABOUR WARRANTY ON 3J SYSTEMS

Back to the Future
Intel Pentium-75
Intel P-75MHz CPU
Triton II w/256k PPL cache
8MB Ram
1.44 Floppy Drive
630MB Hard Drive
PCI Cirrus Logic 64bit 1MB
14" N.I. LR SVGA monitor
13" Tower Case W/P.S.
104 Win95 KB
Media mouse w/pad
ONLY 5 Sets
$839

Pentium-120 Entry Level
AST oem motherboard
256k Pipeline ,Triton II 430vx chipset
16MB EDO RAM EXP.128MB
1.2GB EIDE HARD DRIVE MODE 4
3.5" 1.44MB FLOPPY DRIVE
PCI EIDE W/2x16550UART SERIAL,
1Xbi-directional Parallel
Cirrus Logic 64bit w/1MB (exp. 2mb)
***** 15" N.L. L.R. .28 SVAG MONITOR *****
13" TOWER CASE W/230W POWER SUPPLY
MEDIA MOUSE/PAD
$1099

THE BEST PRICES!

3J Computer is IBM authorized retailer

call for BEST PRICE!

Times have Changed INTERNET READY
Intel Pentium® 133MHz performance
Intel P-133 w/ 256K Pipeline w/ TritonII 430VX Chipset
AST oem Motherboard, 16MB EDO Ram 72Pin
1.6GB EIDE Hard Drive, 1.44 Floppy Drive
PCI Enhanced IDE (mode 3&4) w/ 16550x2
1 Enhanced Parallel Port (Bi-Directional)
ATI mach64 acceleration w/1MB dram Mpeg
15" CSA Tower Case w/ 230w Power Supply
104 win95 Enh. Keyboard & Media Mouse w/pad
*Proview 15" 1280*1024 .28 SVGA Monitor*
8X EIDE CDROM drive,16bit Sound PnP, 60w Speakers
***** Zoltrix 33.6 Int. Fax/Modem ******
Lease for $49/month
REALLY SPECIAL PRICE: **$1479**

3J 電腦工作室 COMPUTERS
5305 Victoria Drive, Vancouver, BC, V5P 3V6
Tel:(604)323-9859, 323-9815 Fax: 323-1157
Internet E-Mail address: jane@direct.ca
Bus. Hours: Mon~Sat 10am - 6pm

Computer

Don't forget that backup

• • By DAVID ROSEN • •

Q Dear Doctor: I think my kids have been playing with my Performa 6360 and now it doesn't want to boot. Of course, I don't have a backup system disk (yes, I know, I know), but I do have the original CD-ROM I got with the machine. The problem is that no matter what I try, the Performa still wants to boot from the hard drive, which, of course, is damaged. What do I do?

Signed: Brock via an ISP.

A *Dear Brock: You've really got two problems here: the hard drive and the more long-term problem that your kids shouldn't be playing with your computer. Let's deal with the first problem, first.*

As you mentioned in your e-mail, you should always keep a backup system floppy just in case these kinds of nasty situations occur. Many Mac utility programs (for example, Norton Utilities*) let you make an emergency disk. I'm guessing the original disk that you're talking about is the System Installer CD that came with your Mac.*

Apple's technical folks insist that if you just pop the System Installer CD into your Mac before you turn it on, your machine should boot off the CD automatically. Sometimes, however, you have to give your Mac a helping hand. The solution is to use a couple of keyboard combinations to force it to boot from the CD-ROM drive. Holding down the "C" key as the computer starts up will tell the computer to start from the CD-ROM.

Alternatively, you can hold down the Command, Option, Shift, and Delete keys to bypass the hard drive. Your Performa should then start from the CD-ROM drive.

The second part of your predicament can be addressed by a security product such as Apple's At Ease. Designed to keep inquiring eyes (and fingers) away from both the Finder and the System, products such as At Ease create a protective layer for your Mac. Essentially, At Ease is an application that allows you to hide the Finder and limit access to your hard disk—it works in conjunction with your Finder, but doesn't replace it.

Once you install At Ease, you can pick and choose which applications or documents your kids will be able to access. At Ease creates individual windows for applications and documents. This way, your kids can't accidentally toss out important files, since they won't be able to "see" them in your Mac.

Don't forget that At Ease is not designed as a heavy-duty security product. Rather, At Ease will keep kids and non-technical adults away from your important files. In the long term, encryption, frequent back-ups, and secure off-line storage are the only ways to ensure you keep your files safe and sound.

The Doctor

Facing PC persecution

Q Dear Doctor: My boss is on one of his anti-Mac tirades and he says there's tons of PC-only software and hardware. How can I convince him that the Mac is still in the game?

Signed: Corinna via an ISP

A *Dear Corinna: Tell your boss to check out the list of almost 2,000 products that are available only for Macintosh at http://www2.apple.com/whymac/onlymac/*

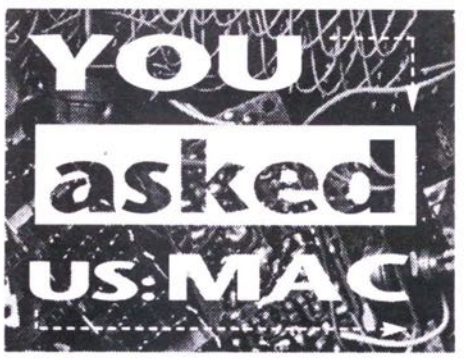
While you're at it, you might also want to tell him that independent research company Dataquest says that about two-thirds of all multimedia development is done on a Macintosh. As Freud would say, "so there!"

The Doctor

New lens for QuickTake

Q Dear Doctor: I have an old QuickTake 100 and would like to use a close-up lens like the one included with the QuickTake 150. Can I buy the lens separately, and will it work for my camera?

Signed: Jennie via an ISP.



A *Dear Jennie: Getting a close-up view on things, hub? Well, the close-up lens attachment you want is available as a service part from Apple (part number: 922-1371) for about Can$70. The attachment works with both QuickTake 100 and QuickTake 150 cameras.*

There are also a number of third-party companies that make close-up lenses for the QuickTake 100/150 series. Pick up a copy of Redgate's Macintosh Product Registry for a list of these companies. Although the directory has stopped publishing, you may still find a copy on the shelf at your local bookstore.

The Doctor.

You can reach MacShrink directly by sending your message to MacShrink@aol.com. Your last name and e-mail address will not be printed. Please note that due to the volume of mail, individual questions cannot be answered. All questions become the property of MacShrink™ and David Rosen. ◆

RPC (Sales, Repair & Upgrade)

Prices subject to change without notice MasterCard VISA Payment Accepted

RPC SYSTEMS

P-120PCI $1270
P-133PCI $1320
P-150PCI $1360
P-166PCI $1570
P-200PCI $1860

* Intel Pentium® Boxed Processor
* Gigabyte M.board w/Triton Chipset
* 16MB EDO RAM
* 512KB Pipeline Burst Cache
* 1.44 Mb Floppy Drive
* 1.7GB EIDE Hard Drive
* 2 serial,1 Parallel, 1 Mouse Ports
* PCI 64 Bit Video Card w/ 1Mb
* Magnavox 14" Svga Monitor
* NMB 104 Key Win95 Keyboard
* 15" Tower Case w/ 230W CSA P/S
* Logitech 3 Button Mouse
* 2 Years Warranty

MULTIMEDIA

16 bit sound card & 8x CD-ROM	$193
2 Power Speakers w/ AC adaptr	$29
120 Watt speakers	$49
Sound blaster 32 P&P	$169
Sound blaster AWE 32	$199
Sound blaster AWE 64 P&P	$275
16 bit Sound Card	$48
Sound blaster 16	$99
8x speed CD-Rom	$145
Sanyo 2x Speed SCSI CD-Rom	$99
Adaptec SCSI CD-Rom Cntrllr w/ Software	$85

We are a member of Better Business Bureau

MOTHERBOARDS (Latest Design)

486DX4-100PCI 256k w/ CPU, fan	$190
486DX4-133PCI 256k w/ CPU, fan	$200
P-100 256k w/ cpu, fan	$310
P-120 512k w/cpu, fan	$350
P-133 / 150 512k w/cpu, fan	$395/$440
P-166 / 200 512K w/cpu, fan	$630/$925

Logitech Mouse	$25
NEC P-100 Notebook (16MB ram)	$3950
IBM Ethernet 10Base-T card	$49
Sanyo 2x SCSI CD-ROM	$99

Specials

MONITORS & VIDEO CARDS

Magnavox 14" NI SVGA .28	$275
Megalmage 15" NI LR Flat SVGA .28	$375
Azura 17" LR Flat Screen NI SVGA	$685
Samsung 15" Flat Screen NI,LR, SVGA	$495
Samsung 17" GLi Monitor	$930
SONY 100sx 15"	$600
NEC C500 15"	$565
NEC XV17+ 17"	$1180
SVGA Card 256K Exp. 512K	$45
SVGA Card ISA 1MB	$65
Cirrus Logic SVGA Card 1/2MB PCI	$59/$69
Matrox Millennium 3D 2mb/4mb WRam PCI	279/$379
Matrox Mystique 2mb/4mb SGRam PCI	$265/$330
Diamond Stealth 64 DRAM 1MB PCI	$139
Diamond Stealth64 Video VRAM 2/4MB	$330/460
Diamond Stealth 3D PCI 2MB/4MB	$169/$239
ATI 3D Xpression+ 2MB/4MB SDRam PCI	$199/$239
ATI 3D Pro Turbo 4MB/8MB SGRam PCI	$335/$440

DRIVES & CONTROLLERS

1.2GB EIDE	$270
1.7GB EIDE	$305
2.1GB / 2.7GB EIDE	$340/$405
2.1GB /3.2GB Ultra SCSI	$485/$550
4.3GB SCSI	$1200
2.5" 500MB/810MB IDE for notebook	$250/$395
1.2MB 5.25" Floppy Drive	$60
1.44MB 3.5" Floppy Drive	$35
SyQest 230MB drive w/ 1 disk	$398
Conner 800MB tapebackup w/tape	$210
Backpack 800mb parallel port backup	$195
Seagate 8.0G Int./ext.tape backup	$1230/$1370
HP Surestore 5000E 4GB tape backup	$1350
VLB EIDE Controller W/ Multi-I/O	$40
VLB EIDE Cntrlr w/ Enhanced I/O	$45
Adaptec 1522/1510 SCSI Ctrlr	$125/$105
Adaptec 2842A VLB SCSI Controller kit	$350
Adaptec 2940/2940W PCI SCSI Cntrllr	$295/350

Printers

Raven Ls-6 1MB 600dpi Laser	$585
Brother-641 Laser	$450
Brother-660 2MB 600dpi	$760
Okidata OL-4W Laser 600dpi	$425
HP 340c portable	$430
HP 680C Color Deskjet 600dpi	$420
HP 820Cxi Color Deskjet 600dpi	$545
HP 870Cxi Color deskjet 600dpi	$680
HP LaserJet 5L 600dpi	$679
HP LaserJet 6P 600dpi	$1135
HP LaserJet 6MP 600dpi	$1295
HP LaserJet 5 600dpi	$1800
HP LaserJet 4V/4MV	$2800/$3990
Canon BJC-4100 / BJ-30	$325/$295

NETWORKING

Windows NT 4.0 Server w/5 licence	$960
Lantastic 6.0 starter kit	$350
Novell 3.12 upgrade (10 user)	$1490
Novell 3.12/4.1 (5 user)	$880/880
Novell 3.12/4.1 (10 user)	$1880
Novell 3.12/4.1 (25 user)	$2620/2480
Eagle 2000+ 16 Ethernet Card	$100
IBM 16bit Ethernet 10Base-T Card	$49

cable, connector, terminator & crimping tool

We repair :
-Monitors
-Systems
-Printers
We upgrade laser printers

RPC
Computers Ltd.
1796 Renfrew St.
Vancouver, B.C.
(604) 255-1192
Fax: (604) 255-0002
Mon.-Fri. 9:30-6:00 * Sat. CLOSED

Cookie crumbs ...

continued from page 37

Under Windows 95

Navigator 3.x: Using Windows Explorer, locate the COOKIES.TXT file in the *Navigator* folder (default location, c:\program files\netscape\navigator).

Double-click to open the file for editing (it will open under WordPad or Notepad, depending on how the TXT association is set in the Registry). Delete everything in the file except the first two lines (keep them as a reference). Save the file and exit the editor.

Again using Windows Explorer, select the COOKIES.TXT file by clicking on it once with the right (secondary) mouse button. Choose Properties from the menu displayed on screen. Check off the "Read Only" box found at the bottom of the Properties dialogue. Close the dialogue box.

Open *Navigator* and following the instructions above, reverse the process to "warn before accepting cookies," so that it does not warn you. Surf for a while.

View the COOKIES.TXT file from time to time to check its contents. You'll find that it is still empty.

Alternate method: Using Windows Explorer, delete COOKIES.TXT. In the same directory (i.e., c:\program files\netscape\navigator), choose File, New, Folder. Create a new folder called COOKIES.TXT (you can have a folder/sub-directory with an extension). Because *Navigator* is looking for the name, COOKIES.TXT, but finds a folder, not a file, it won't store anything in it.

Simply deleting COOKIES.TXT does nothing. *Navigator* will recreate the file next time you run it (which it cannot do if there is a folder of the same name).

Note: Neither of these methods prevents the type of cookie that enters your system, collects data, then is sent back to itself immediately. For these, you may still choose to leave the warning intact.

Internet Explorer: I couldn't find any way to prevent *Internet Explorer* from storing cookies, other than the warning option above. Cookies are kept in the subfolder, c:\windows\cookies. You can delete most files in this subfolder, but two DAT files will remain (MM256.DAT and MM2048.DAT). Even if you do delete them (you can if you restart your system in DOS mode), they will be recreated—along with the \cookies subfolder if you delete it, too—the next time you start *Internet Explorer*.

I've tried setting the \cookies subfolder to read only to see if this will prevent more cookies from being stored, but this has no effect.

Windows 3.1x

If you're using Windows 3.1x and *Navigator*, either drop out of Windows to DOS or open a DOS window. Locate the COOKIES.TXT file (probably in c:\netscape).

The following assumes your DOS utility files are stored in a directory named c:\dos and that your path statement doesn't lead to it. At the C:\> prompt, type cd \netscape, then hit ENTER.

Using the DOS editor, open the COOKIES.TXT file (type c:\dos\edit cookies.txt, then hit ENTER and note that there is a space between "edit" and "cookies.txt"). Delete everything except the first two lines. Save the file and exit the editor.

To change the file to read-only, type c:\dos\attrib +R cookies.txt. Hit ENTER.

Return to Windows. If you're using *Navigator*, no more cookies will be stored on your hard drive.

The same alternate method detailed above works here, too. Once in the Netscape directory, delete COOKIES.TXT (type del cookies.txt, then hit ENTER). Then create the COOKIES.TXT sub-directory (type md cookies.txt, then hit ENTER).

Versions of *Navigator* prior to 3.x don't provide the warning option, but there is now a version 3.x of *Navigator for Windows 3.1x* available at Netscape's Web site at http://www.netscape.com/ ◆

Computer Swap & Shop

• DON'T MISS THIS SPECTACULAR EVENT •

Saturday March 15th

Eagles Hall

New Westminster Next to Army & Navy Department store

530 Columbia St. Across From Columbia Skytrain Station

Super Deals! Admission $2.00 Buy Sell & Trade

New & used software, hardware, monitors, printers, parts, CD-ROM's, PC's and much much more.

Dealer tables available $45 Info: 582-9443

Your Own Web Site

Have you been hearing everywhere you turn "see our web site at http://www....."? Have you thought it would be too expensive? Or you don't know how to go about it? Let Maximum Internet show you how you too can have a web site for as little as $30.00 per month! You don't even need to own a computer to have a site, we can do all the creation for you or you may want to do it all yourself. Domain name registering and hosting available. Relocate your website.

We also can connect you to the Internet, and provide you with your own e-mail address as well, for only $29.95 per month unlimited use.

SELLING SOMETHING? place an add on the Internet classifieds, with photo for only $5.00 per month.

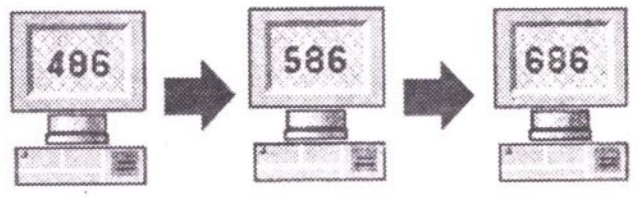
Clip this add and call today for a free consultation at your office today.

Maximum Internet
http://www.max-net.com
e-mail: mail@max-net.com

(604) 940-8921

MyCom Computers

CANON BJC 4100 . . . $298, BJC 240 . . . $245
HP 680C . . . $390, 870CX . . . $638, 5L . . .$588, 6P . . . $948



5636 DUNBAR ST. (DUNBAR & 41st AVE.)
TEL: (604) 264-9883 FAX: (604) 264-9881
Tues - Sun 10:30 am - 9:30 pm

我們會說:普通話,閩南語,廣東話,
我們會將:您的電腦診斷,建議,昇級,維修,使您的電腦發揮到最

UPGRADE TO TRUE PENTIUM

Pentium-120 . . . . . $588
Pentium-150 . . . . . $738
Includes: Intel Triton III VX Board
(Upgradable to 200MHz,
168 PLUS DIMM X2 & USB available)
16M EDO Mem.
64 Bits PCI SVGA 2M
Pentium CPU w/Fan
Labor included

Optional: WD 2.1 2.5G $333/383
SB16 Pnp + CD-ROM 8X/12X $228/268
ATI 3D Xpression /Turbo 4M $168/278

P-120 / 133 / 150 / 200

$2018 / $2093 / $2173 / $2478
Intel TRITON III VX main board
16M 72 Pin EDO SIMM
1.44 MB Floppy Drive
2.1G MODE4 EIDE HD
SVGA MPEG PCI w/2M
SB16 + **12X** CD-ROM
15" Acer LR, NI, Monitor
Med Tower Case w/CSA 230W Power
104 Win95 Keyboard, Mouse & Pad
Power Bar, Speakers & More

OPTIONAL

17" ViewSonic GS . . . . . + $438
17" ViewSonic PS . . . . . + $538
USR Sportster 33.6 W/Voice . . . . . + $168
Supra Express 33.6 W/Voice . . . . . + $138
Digicom 33.6 W/Voice . . . . . + $128
3.1G WD HD . . . . . + $75
SB 32 PnP . . . . . + $58
SB AWE 64 . . . . . + $188
130 W Speakers . . . . . + $68
32M EDO . . . . . + $90
Win 95 CD (Full Version) . . . . . + $128

Spel chekker, pleez

Q How do I obtain the necessary files to enable spell-checking in EPM? The help for EPM says I need either OSLEXAM.DLL or LEXAM.DLL and US.DCT. Are these files freely available? Thanks for any information.

Chris

A *Kevin Linfield responds: OS/2's Enhanced Editor (EPM) is one of the most powerful and complete editors available. And best of all, it is free for all licenced OS/2 users. The spell checker dictionary add-on is freely available from the Internet FTP site bobbes.nmsu.edu in the /os2/editors directory.*

Gimme a transfer

Q I'm new to this stuff but I want to transfer files between OS/2 computers using a serial or parallel port cable. The method or program should have the capabilities to transfer multiple files and/or directories.

TIA, Jeff

A *Kevin Linfield responds: There are at least three efficient and easy ways to do this. (1) You can buy the commercial program LinkRight and a parallel or serial cable and transfer files in a manner similar to LapLink. (2) Using a null modem cable and a terminal program (such as ZOC or HyperACCESS Lite) you can transfer files between the two PCS as if you were using your modem (of course, the null modem cable is MUCH faster!). (3) You can use a parallel port cable and install OS/2 peer-to-peer services (if you are running OS/2 Warp 4.0 or Warp Connect 3.0).*

I've tried all three of these methods under a variety of operating systems and the best solution depends on how much you want to pay and how often you need to transfer files. If you need to transfer files on a regular basis, I'd recommend you try OS/2's peer-to-peer services. If cost and simplicity is a major factor, the null modem cable might be right for you.

I'm registered, already!

Q After installing OS/2 Warp 4, I attempted to register my copy (like a good boy) using the online registration screen. I tried to use the Internet connection; it failed. I tried to use the modem connection; it failed. I eventually called up a real person and obtained a registration code that way. After entering the registration number, I thought I was finished, but the registration screen still comes up every few times a boot my system. Is there a way to make this go away?

Thanks, Steve

A *Kevin Linfield responds: There are a number of ways to do this, but what I did was boot to the command prompt (ALT-F1 when the words OS/2 appear in the upper left of your screen, then F2 for command prompt) and delete (or move, or archive) the entire /OS2/ART directory. ART stands for Automatic Registration Tool and it does take up memory as it is always running (Tip: type* PSTAT /C *from the command prompt to get a list of all running processes).*

Trouble focussing

Q Can you make it so that PM apps that are starting don't take away the focus? I want to type in a telnet window and start some other application at the same time. The annoying thing is that the new apps comes up in *front* and takes the focus.

Brian

A *Kevin Linfield responds: I'm sure thousands of OS/2 users would like a solution to this problem, but it is hardcoded into each program. Some programs (like ZOC) have a setting to toggle this feature, but the programs that let you do this are few and far between. What we need are OS/2 programmers who realize that most of us use the multitasking features of our favourite operating system. Sorry, but there is nothing you can do except contact the software manufacturer and complain.*

Kevin Linfield is a consultant and freelance writer. He can be reached via e-mail at linfield@torfree.net ◆

NANTRON SYSTEMS LTD.

MEMBER OF BBB

SERVE THE COMMUNITY SINCE 1989

THE BEST DEAL IS HERE !

iP5-100	$1398
iP5-120	$1408
iP5-133	$1448
iP5-150	$1498
iP5-166	$1658
iP5-166MMX	$1788
iP5-200	$1918
IP5-200MMX	$2118
CX6x86-166+	$1548

INTERNET BROWSER
ONLY $999
AMD DX4-133 X5 P75 PCI/ISA
33.6 INT FAX MODEM
16MB RAM, 1.2B EIDE HDD
1.44MB FDD, 1MB 64BIT VIDEO
14" .28 NI LR GR SVGA
WIN95 K/B & 2B MOUSE
13" TOWER CASE

- TRITON VX MMX DIMM PNP M/B
- 256KB PB CACHE
- 16MB DIMM RAM UP TO 128MB
- 1.27GB EIDE HDD MODE 4
- 1.44MB FUJITSU FDD
- PCI 64BIT 2MB MPEG VIDEO
- ON BD EIDE/EIO/PS2M PORTS
- (2X16550+ECP+PS2 MOUSE)
- 14" .28 NI LR GR SVGA MONITOR
- 104K FUJITSU8725 WIN95 K/B
- 2B LOGITECH MOUSE W/PAD
- 19" MID TOWER CASE WITH LED
- 33.6 INT. FAX MODEM
- 8X INT. EIDE CDROM DRIVE
- (ADD $20 FOR 12X)
- 16BIT3D PNP SOUND CARD
- (ADD $40 FOR AW32 CARD)
- 60W SPEAKERS AC POWERED
- DESKTOP MICROPHONE
- 10 MPC CDROM TITLES '97
  GROLIER ENCYCLOPEDIA
  ANIMALS, ETC.

HOT PARTS SELETIONS

MOTHERBOARD	
TRITON VX PENTIUM-100/120/133	$268/288/328
TRITON HX PENTIUM-150/166/200	$418/568/838
486/5X86 PCI/ISA 133	$185
MEMORY	
8/16/32MB SIMM RAM	$45/95/188
256KB PIPELINE BURST CACHE	$28
512KB*8 DRAM/EDO RAM	$25/30
DRIVES	
1.2/1.44MB FLOPPY DRIVE	$65/29
1.2/1.6/2.1/2.5/5.0GB HDD	$248/278/308/348/598
8X/12X EIDE INT CDROM DRIVE	$138/158
HP 4XR/2XW CDROM RECORDER	$998
PANASONIC 4XR/2XW CDROM RECORDER	$688
100MB ZIP INT/EXT. DRIVE	$258
JAZ 1GB SCSI DRIVE	$589
TAPE DRIVE 800MB/3.2GB	$158/299
VIDEO CARDS AND MONITORS	
ATI M64 PCI 2MB DRAM	$85
ATI 2MB 3D EXPR / 4MB PRO TURBO	$115/278
DIAMOND ST64 PCI 2MB EDO/VRAM	$150/299
PCI 64BIT 2MB EDO MPEG	$68
MONITOR .28 NI LR GR 14"/15"/17"	$258/358/638
ATI TV TURNNER	$158
DIAMOND TVTURNNER/VIDEO CARD 2MB EDO	$288
PROMOVIE VIDEO CAPTURE CARD	$248
SOUND CARD, MICROPHONE, AND SPEAKERS	
MICROPHONE/EARPHONE	$15/8
SOUND BLASTER 16/32/64	$85/138/258
16BIT 3D/AW32 WAVE PNP SOUND CARD	$48/88
60W/120W/200W SPEAKERS (AC)	$28/48/68
MODEMS	
33.6/55.6 USR INT. FAX VOICE SPKPHN	$168
33.6 INT FAX/VOICE MODEM	$99/118
KEYBOARD, MOUSE AND CASE	
FUJITSU 4725/8725 K/B	$68/28
MICROSOFT WIN95 ERGO	$88
WIN95 ERGO WITH TOUCH PAD	$99
MICROSOFT MOUSE/LOGITECH 3B ERGO	$35
LOGITECH 2B/3B	$18/38
CASE 13"/15"/19"/FULL	$58/68/78/118
SOFTWARE AND DISKS	
WINDOWS 95 FULL VERSION	$138
10 CDROM TITLES (GROLER 97, ETC.)	$38
74MIN/650MB BLANK CD	$10
100MB ZIP DISK	$17
CD COPY/BACKUP SERVICE	CALL

* HIGH END *

iP5-166	$2228
MMX	$2368
iP5-200	$2498
MMX	$2698
CX166+	$2028

- GA586HX TRITON HX PNP M/B
- 512KB PIPELINE BRUST CACHE
- 32MB EDO RAM EXP'L TO 128MB
- 2.1GB EIDE HDD MODE 4
- 1.44MB FUJITSU FDD
- ON BOARD EIDE/FDD/EIO
- 2USP(16550) 1P(EPP) 1M(PS/2)
- ATI 3D PC-TO-TV 2MB MPEG
- 15" .28 NI LR GR FLAT MONITOR
- (ADD $278 FOR 17" MONITOR)
- FUJITSU 104 ENH. WIN95 K/B
- 3B LOGITECH PS/2 MOUSE & PAD
- 19" MID CSA TOWER CASE
- 12X EIDE CDROM DRIVE
- SOUND BLASTER 32 PNP CARD
- 200W STEREO SPEAKERS
- USR 33.6 INT VOICE FAX MODEM (UPGRADABLE TO 55.6K)
- MICROPHONE INCLUDE

MONTHLY PROMOTION:
1. 3COM PCI ETHERNET CARD ONLY $128
2. 74MIN/650MB WRITABLE CD ONLY $9.99/EA

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Your First Choice

NOT ONLY AFFORDABLE AND HIGH QUALITY COMPUTERS,
WE OFFER YOU TOTAL SOLUTIONS!

1745 Nanaimo Street (Near 1st Ave)
Vancouver, B.C. V5N 5C1
Tel:(604)253-1588 Fax:(604)253-8681

Take a seat at the virtual Round Table

Tele-comments

Lynn Greiner

Business books are coming out of the woodwork these days, books that tell you how to run any aspect of any business. They're all buzzword-compliant, and often totally divorced from the real world—especially the world of the teleworker.

Jaclyn Kostner's book, *Virtual Leadership: Secrets from the Round Table for the Multi-Site Manager*, is different. It's all about teams that are geographically diverse. Yes, it's a book for managers, but every member of a virtual team should read it.

If you remember *The One Minute Manager*, you'll have an idea of the format of this book. It's the story of Jim Smith, despairing manager of a worldwide project team who is watching things fall apart around him. He has no idea of what's going wrong, or how he can fix it. To him a *virtual* work group means it's *virtually* impossible to get hold of anyone, *virtually* impossible to create a sense of team—in fact, it's a *virtual* nightmare.

Then he receives a strange coin from a pay phone, and, through it, soon is put in touch with one of the great leaders of all time, the creator of Camelot, King Arthur. Schlocky? Maybe, but in his conversations with Arthur, Jim learns how to manage a scattered team by drawing lessons from Arthur's experiences in managing the Knights of the Round Table.

From myth to mundane?

You see, when the knights weren't slaying dragons and performing other noble deeds, they lived in castles throughout the length and breadth of England. Arthur faced many of the same problems welding this diverse crew of individualists into a team that the modern manager wrestles with today.

Kostner uses Arthurian symbols like Excalibur, the Round Table, the Joust, Lancelot, Merlin, and, of course, Camelot itself, to illustrate the key concepts that make an effective manager of a virtual team. Members of such a team can also learn a lot by seeing the team through Arthurian eyes.

There's a chapter devoted to each concept. For example, Excalibur symbolizes trust—the trust a team leader has in his or her members, and the trust members have in their leader, and in each other. Kostner points out that trust is the major motivating factor in getting team members to perform their roles wholeheartedly.

In Excalibur's chapter, Arthur describes what happened when he first became king over a bunch of squabbling, isolated, suspicious knights. His mentor, Merlin, turned him into a hen (remember T.H. White's *Sword in the Stone*?), and told him each of the three eggs he incubated symbolized one of the enemies of his leadership, which he would have to name and deal with. After a great deal of thought, Arthur correctly identified them as geography, isolation, and history.

Bad things come in threes, too

These same three enemies threaten modern distributed teams, and, translating Arthurian techniques into current analogies, Jim discovers both how he is failing his team, and possible ways to help it. In later chapters, he learns how Arthur was able to leverage resources across a distance, unite people who rarely if ever meet, and use technology as a bridge, not a barrier. During those discussions, he translates the ideas into something he could use with his modern "tele-knights."

The story is entertaining, and the book quite readable. I hauled it along on a transcontinental plane trip, intending to flip through and make notes, and ended up reading it from cover to cover

Kostner knows whereof she speaks, too—she earned her PhD in virtual workgroup communication, developing her interest in virtual teams after participating in a highly successful one herself. Currently, she leads a virtual organization, Bridge the Distance International, that helps team members communicate and function over a distance.

Virtual Leadership: Secrets from the Round Table for the Multi-Site Manager is a book for team leader and member alike. It's even valuable for those who work on their own, but who need to nurture relationships with suppliers and clients. ◆

info box

***Virtual Leadership: Secrets from the Round Table for the Multi-Site Manager*, by Jaclyn Kostner, PhD, from Warner Books. 1994. 0-446-67087-1. $14.99. Visit http://www.distance.com/ for more information.**

Tricera Computer
"imaging evolution"

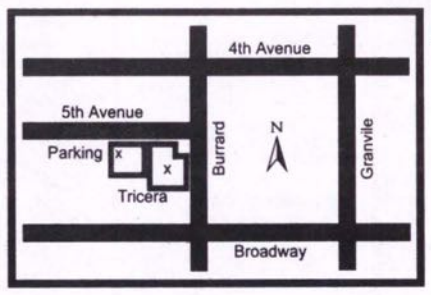
Looking for a Scanner?

EPSON ES1000C Scanner
Lowest priced scanner able to output high quality images.

EPSON Expression 636
Top rated scanner...EPSON's strength is being able to mass produce quality. $1320

Polariod SprintScan35 LE
For 35mm slides and negatives $999

Wacom ArtPads
Optional Black Box & Painter 4 Bundle



Monday - Friday
9AM - 5PM

Jaz disks
Zip disks

EPSON Color Printer Warranty repair center & Parts sales

How about one of the best Ink Jets?

EPSON Stylus 500
This is going to be the biggest selling printer ever - come in and see why.

EPSON Stylus PRO XL
13" x 19" Photographic printer
Now includes Live Picture SE.

EPSON Stylus PRO
Same technology as the PRO XL but at a fraction the cost.

EPSON Stylus1500
17" x 22" in full color.

EPSON Warranty Service - Sales - Supplies - Parts
203 1836 West 5th Avenue - Vancouver - 733-5702

New horizons loom for rural ISP

New Business

Paul Lima

Marsha Corey and Tom Eldridge met on the Internet. They were both newbies, and it was love at first chat. Still, there was a problem: he lived in Vancouver, and she lived in Toronto.

Two months later, they met half-way, in Winnipeg, to "confirm that we were in love," says Corey. Six months later, Eldridge quit his job with the Body Works and moved to Toronto. A year later, he proposed, and Corey accepted. They will be married in September.

But this is a business column. What's an online love story doing here?

Corey and Eldridge had many things in common—their love, their passion for the Internet, computer knowledge, a desire to run a business, and a belief in the importance of small communities. They have turned all that into a growing Internet service they run in a small community in eastern Ontario.

Soon after Eldridge moved to Toronto, he and Corey set up a Web-site design company. Corey kept her full-time job as a computer programmer with an Ontario government ministry, but worked on the business in her spare time.

Seeing the need

While promoting their business at a trade show in Corey's hometown of Napanee, Ontario (between Kingston and Belleville), they realized rural Ontario was very much deprived of Internet access.

"Almost everybody who dropped by our booth asked us if we provided an Internet hook-up service," says Corey.

Since running an Internet service was something that interested them, they took the plunge and opened Internet Horizons Inc., an Internet service provider (ISP) in Napanee.

"Instead of basing our business in a city, where we probably would have been making much more money, we went rural instead," said Corey.

Eldridge moved to Napanee to run the business and provide technical support to customers. Corey kept her job in Toronto but, evenings and weekends, she uses e-mail, file transfer protocol software, the fax machine, and long-distance conference calls to contribute to the business.

"It's amazing what you can do with technology," she says.

What she does in Toronto, for the business in Napanee, is design Web pages, create documentation for new users, and update the Internet Horizons Web site and links page.

Deja vu all over again

While Napanee is closer to Toronto than Vancouver, the irony of their situation—they're into a long-distance romance once again—hasn't escaped her.

"We miss each other a lot," says Corey. "But the business has had a great response."

They set up a storefront in Napanee's only mall and augment their ISP business by selling and repairing computers. In less than three months, 2,000 people trooped through the store to see what the new business was all about.

"I'd say in a town of 5,000, we're doing pretty good," says Corey.

Internet Horizons now has over 100 paid customers. In addition, many people visit the store to surf the Web for $5 an hour. Others have purchased e-mail accounts and drop in on a regular basis to check their e-mail.

While the company isn't earning enough yet to allow Corey to quit her day job, they have hired an employee. In addition, they have three volunteers helping out. People are willing to lend a hand because Internet Horizons is a community-based business, not a WalMart, McDonalds, or Sympatico. And Internet Horizons is true to its small-town roots.

"We even make free house calls to people having problems installing software or having problems figuring out how to access the Net," says Corey.

Internet Horizons has also integrated itself with the community by offering a community BBS: there are plans in the works to feature local chats with the mayor and other area officials. The company also offers low-cost training sessions to help people learn about computers, and has set up a Rural Ontario Directory Web site that links to other rural community sites.

"We feel the Net is an experience that shouldn't be accessible to city-dwellers only," says Corey. "Eventually, we plan on expanding our Internet service to other rural areas, perhaps farther north."

While Corey does not expect the business to make her rich, she hopes the company will grow to the point where it can support both her and Eldridge. Otherwise, come September, their long-distance romance will become a long-distance marriage.

Visit the Internet Horizons Web site at http://www.ihorizons.net/

Paul Lima (tiko@idirect.com) is a freelance writer specializing in high-tech and communication issues ◆

MICHAEL'S COMPUTER SHOP

639 East 15th Ave. (15th & Fraser) Ph: 873-0538

• Computer hardware at liquidation prices •

Complete Multimedia Systems

P100	P133	P166
$950	$1300	$1580

*all systems come with 14" SVGA montor

486 Systems Starting from $450

Modems	33.6 win modem voice/fax	$75
	33.6 voice/fax	$105
Sound Cards	16 Bit PNP/3D	$32
Video	1MB PCI Video Cards	$29
Monitors	Magnavox 14" NI .28DPI	$260
Floppy Drives	3.5" HDD	$25
Keyboards	105 key WIN 95	$18
Mouse	2 BTN Serial	$9
	3 BTN PS/2 Logitech	$25

JRS COMPUTERS INC.

Check the quality & service. Call us for a complete quote on system upgrades,parts and products. We will custom make the system to fit your budget and need.

Leasing Available

Parts & Labour Warranty 2 yr.

GOVT. & CORP. P.O. WELCOME

OCLI Glare/Guard Screen Filter
- Superior Protection for your Eyes

Glare/Guard Std.500 (Hangers, Single-sided Coating)

OC-1	9"-10" Monitor	$58.00
OC-4	12"-13" Monitor	$58.00
OC-5	14"-15" Monitor	$60.00
OC-7	17"-18" Monitor	$95.00
OC-9	19"-21" Monitor	$145.00

Glare/Guard Maximum Plus (Wrap Around, Double-sided Coating)

C-90	12"-13" Monitor	$129.00
C-91	13"-15" Monitor	$129.00
C-92	16"-17" Monitor	$177.00
C-93	19"-21" Monitor	$265.00

Glare/Guard Privacy 1800 (Wrap Around)

PRI-5	14"-15" Monitor	$160.00

Perfect 386/486 Upgrade Solution:

Upgrade with 486 PCI Motherboard
486DX4-100 $179

Upgrade with 586 PCI Motherboard with 16MB EDO RAM
AMDK5-100 $365
Pentium®120 $420

Free Installation

CHECK US OUT!

Fully Loaded System:

AMD K5-100	$ 1728
AMD K5-133	$ 1788
Pentium® 120	$ 1798
Pentium® 133	$ 1850
Pentium® 150	$ 1920
Pentium® 166	$ 2050
Pentium® 166MMX	$ 2180
Pentium® 200	$ 2298
Cx6x86 150+	$ 1778
Cx6x86 166+	$ 1840

System Configuration:
- Intel Triton II VX Chipset, PNP BIOS
- 256K Pipeline Burst Cache
- 16 MB EDO DRAM, 60ns
- 1.44MB FDD, 1.2GB EIDE HDD,M-4
- S3 ViRGE 3D w/2MB EDO, MPEG
- 15" Daytek OSD N/I, L/R, D/C, Mon.
- 19" Mid-Tower Case with 230W PS
- Fujitsu Win95 Keyboard
- Logitech 3 Buttons Mouse
- 8X Speed CD ROM Drive
- Sound Blaster 16 , 60W Spks
- 33.6K Int. Voice Fax Modem
- Windows 95 CD Full, SR2 (2 CDs)

Intel Petium Pro 180MHz $ 2998
- Intel Venus ATX Motherboard
- 32 MB EDO DRAM, 60ns
- 1.44MB FDD, 2.1GB EIDE HDD,M-4
- ATI 3D Xpression+ PCI w/ 2MB DRAM
- 15" Daytek OSD N/I, L/R, D/C Monitor
- 17" Mid-Tower ATX Case with 230W.
- Fujitsu Win 95 Keyboard
- Logitech 3 Buttons Mouse
- 8X Speed CD ROM Drive
- Sound Blaster 32 PNP, 60W Amp. Spks
- USR 33.6/56K Int. Voice Fax Modem
- Windows 95 CD Full, SR2 (2 CDs)

Prices subject to change without notice. Please call for the current prices.

JRS COMPUTERS INC. Suite 288, 8136 Park Road. Richmond, B.C. V6Y 1T1 Tel : (604) 273-8852 Fax/Tel : (604) 273-3186 Mon. - Fri. : 10:30 - 6:30 Sat. : 12:00 - 5:00

Small-business accounting packages: A quick peek

• • By LEE LESTER • •

When it comes to accounting, there are four major suitors for the hand of small business. All promise paradise in day-to-day bookkeeping and vow to keep you on the right side of that moustache-twirling Revenue Canada. *DacEasy Accounting & Payroll 95* promises flexibility and ease of use by providing a customizable tabbed interface and six online help methods, including wizards. *Microsoft Office* users will welcome the tight integration of the two products to prepare *Excel* spreadsheets, *Word* reports. and *PowerPoint* presentations. Also included are a contact manager and fax, phone-dialling, e-mail, and mailmerge capabilities.

Any business considering setting up a local area network will be attracted by its networking readiness. Another major plus is the powerful inventory control, which provides up to six decimal places and last in/first out, first in/last out, and average costing controls.

M.Y.O.B. Accounting with Payroll has simple graphic flowcharts to take you quickly to sales, receivables, and other records. There are other neat touches, such as reimbursable expenses automatically recorded with just a mouse click. Also recorded automatically are wage and tax deductions.

With 26 open accounting periods, there is no need to close out every

continued on page 44

info box

Simply Accounting 4.0, from AccPac International. Win 3.1. Can$138.88.
Contact: (408) 562-8800, http://www.accpac.com/

DacEasy Accounting & Payroll 95, from DacEasy Inc. Win 3.1/95/NT. US$149.
Contact: (972) 248-0205, http://www.daceasy.com/

M.Y.O.B. Accounting 7.0, from BestWare. Win 3.1, Mac. Can$110-$170.
Contact: 1-800-640-6962, http://www.bestware.ca/

Peachtree First Accounting 3.5, from Peachtree Software. Win 3.1. US$129.

Peachtree Accounting for Macintosh 2.5, from Peachtree Software. Mac. US$99.
Contact: 1-800-228-0068, http://www.peach.com/

POWERCOMP

• VANCOUVER • CALGARY • EDMONTON • REGINA •

WHY PAY RETAIL? Buy from us & $AVE $$$!

OUR SYSTEMS INCLUDE

- M/B with Triton 2 (HX) chipset by **Intel**, pipe line burst cache, capable of running 75-200Mhz cpu 4 PCI and 3 ISA slots, PnP flash ROM BIOS, enhanced IDE (up to 4 hard drives), 2 serial ports, fast bi-directional parallel port, supports **MMX** cpu, **(Five years warranty on motherboard)**
- **Quantum** hard drive, EIDE - several times higher transfer rate than regular IDE, mode 4 **(Three years warranty on hard drive)**
- EDO RAM, 72 pin, **(Lifetime warranty on memory)**
- 104 **Fujitsu 8725** keyboard
- PCI video with **MPEG**
- Tower case with **230W** power supply - CSA aproved
- 3 *Yrs system warranty (2 yr parts & 3 yr labour)*

NEW !! *TRITON 2 (HX) CHIPSET Faster than VX*

Designed for Microsoft Windows '95

intel inside pentium

We will build the sytem as per your need - so call us for any specification
All of our packages carry same kind of warranty described above
Ask for systems with Cyrix/IBM cpus

VALUE PACKAGE

- **Intel Pentium 120MHz**
- **256k pipeline** burst cache
- 16 **MB** EDO RAM
- **1.3 GB** hard drive
- 1**MB** PCI video card
- 104 **Fujitsu** 8725 keyboard
- 1.44 floppy • **Windows '95**
- 3 Button mouse & pad
- 8**X CD ROM drive**
- True 16 bit stereo sound card
- Two speakers
- Mini tower **230w P.S.**
- **3yr warranty** - 2yr parts & 3yr labour
- **14"**monitor-NI .28 dp - ***Proview***

$1429 **$52/m**

PERFORMANCE PACKAGE

- **Intel Pentium 150MHz**
- **512k pipeline** burst cache
- 32 **MB** EDO RAM
- **2.1 GB** hard drive - Quantum
- **2MB** PCI video card w/ MPEG
- 104 **Fujitsu** 8725 keyboard
- 1.44 floppy • **Windows '95**
- 3 Button mouse & pad
- **8X CD ROM drive**
- True 16 bit stereo sound card
- Two amplified speakers
- Mini tower **230w P.S.** • **33.6** Voice/Data/Fax modem
- **3yr warranty** - 2yr parts & 3yr labour
- **15"**monitor-NI .28 dp, digital - ***Proview***

$1895 **$69/m**

POWER PACKAGE

64MB EDO

- **Intel Pentium 166MHz**
- **512k pipeline burst cache**
- 64 **MB EDO** RAM
- **2.1 GB hard** drive - **Quantum**
- 104 **Fujitsu 8725** keyboard
- **MS** mouse & pad
- **S/Mini Tower** Case 230w P.S.
- 1.44 floppy • **Windows '95**
- **2MB 128 BIT PCI 3D Video card w/MPEG** -max 4MB
- 12**x** CDROM drive
- **AW 32pro** with wave table Sound
- Power spkrs & Microphone
- 33.6 voice/data/fax modem
- **3yr warranty** - 2yr parts & 3yr labour
- **17" monitor** .26 dp - ***Acerview 78ie***

$2749 **$99/m**

New

THE DREAM MACHINE

64MB EDO

- **Intel PentiumPro 200MHz**
- **256k internal L2 cache**
- **64 MB EDO** RAM
- 3.2 **GB hard** drive - **Quantum**
- 104 **Fujitsu 8725** keyboard
- **2MB Matrox Mystique**
- **Mid Tower** Case 230w P.S.
- 1.44 floppy • **Windows '95**
- **MS** mouse & pad
- 12**x** CDROM drive
- **AWE 64** Sound Blaster
- Power spkrs & Microphone
- 33.6 voice/data/fax modem
- **3yr warranty** - 2yr parts & 3yr labour
- **17" monitor** .25 dp, multiscan - **SONY**

$4495 **$161/m**

New

Buy a computer from us and get these incredible deals ...

•Lotus Smart Suite '96	$ 79	• 10 CD 48 titles pak	$ 59	• MS Office-Pro 7.0	$479
• Compton's encyclopedia	$ 29	• MS home entertainment pack	$ 99	• Corel-WP Suite 7.0	$ 99
• P166 to P166 MMX - add	$190	• P166 to P200 - add	$300	• P166 to P200 MMX -add	$545
• Upgrade to ASUS MB -add	$ 80	• Upgrade to USR modem -add	$ 75	• IOMEGA ZIP drive	$269

Toll Free: 1-888-299-6662
www.powercomp.ca

Powercomp Technologies
#2, 3419 - 12 St NE, Calgary, AB T2E 6S6
Ph: 250-6662 Fax: 250-6629 Toll Free: 1-888-299-6662
Business Hours: Mon to Sat - 10am to 6pm

Powercomp Technologies
10043-81 Ave Edmonton, AB T6E 1W7
Ph: 413-7525 Fax: 438-0390
Business Hours: Mon to Sat - 10am to 6pm

Powercomp Technologies
101 - 1089 E. Kent Avenue, Vancouver, BC V5X 4V9
Ph: 301-1146 Fax: 301-1148
Business Hours: Mon to Sat - 10am to 6pm

Powercomp Technologies
REGINA on 21 February
(watch for address)
- on advertising deadline we do not have the address yet-

Corporate, Government, Education & Computer resellers are welcome. Please fax for quotations.

Opening soon in Winnipeg, Saskatoon & other cities - watch for date & address

***LEASE TO OWN** based O.A.C. & 36 month term*
NO down payment required, same day processing

• Prices based on Cash/Interac/Draft • Add 3% for credits • Price & availability may change any time • ***Powercomp*** is a registered tradename •

SYSTEM - PRO COMPUTERS Ltd.
TEL : 583-9977 FAX : 583-9979

Anniversary Special

120/133/150/166/200MHz Pentium Processor-based systems
GIGA-BYTE PCI-ISA Board
256 K PipeLine Burst Cache
16M EDO Ram
3.5" Floppy Drive
M3 PCI Video Card w/ 1M Ram
Proview 14" SVGA Monitor
15" Mid Tower Case
Western Digital 1.2GB EIDE Hard Drive
Acer/ Mitsumi 8x CD-Rom Drive
SoundBlaster 16 Bit PnP Card w/ Speaker
Fujisu Win95 104-Key Keyboard
Logitech Bus Mouse w/ Mouse Pad
$1543/1591/1651/1831/2179

System Upgrade Options :

Upg. to Intel MMX CPU	Call
Upg. to 32M/64MB EDO Ram	$110/330
Upg. to 1.6G/2.1G/2.5/3.1G H.D.	$50/90/120/185
Upg. to SoundBlaster 32 PNP Card	$75
Upg. to Matrox Mystique/Millennium	$185/215
Upg. to Proview/Acer 15" Monitor	$110/165
Upg. to Acer/NEC 17" Monitor	$475/850
Upg. to USR 33.6/22.8 Fax/Modelnt.	$165
Upg. to USR 33.6/22.8 V/F/Modelnt.	$195
Upg. to 12X CD-Rom	$45

AST AUTHORIZED RESELLER · HEWLETT PACKARD AUTHORIZED RETAILER
TVM · Raven AUTHORIZED RESELLER · NEC

HardDrives

W.D. EIDE 850	$245
W.D. EIDE 1.2G	$295
W.D. EIDE 1.6G	$315
W.D. EIDE 2.1G	$360
W.D. EIDE 2.5G	$397
W.D. EIDE 3.1G	$460
W.D. EIDE 4.0G	$535

Printers

Canon BJC-240 Inkjet	$279
Canon BJC-4100 Inkjet	$337
Canon BJC-4200 Inkjet	$347
Epson Stylus 400	$365
HP 680C Inkjet	$385
HP 690C Inkjet	$410
HP 5L Laser Printer	$599
HP 6P Laser Printerr	$1050
HP 5 Laser Printer	$1846

Monitors

Proview 14", Green	$275
Proview 15", Green	$420
Daytek 14", Green	$299
Mag MXV17/s 17"	$1050
Acer 15", Green	$450
Acer 17", Green	$715
NEC VX 17" Green	$1090

"Pentium is a registered trademark of Intel Corporation."

Motherboard w/CPU& Fan

120MHz Pentium chip-based MB	$ 430
133MHz Pentium chip-based MB	$ 470
150MHz Pentium chip-based MB	$ 520
166MHz Pentium chip-based MB	$ 670
200MHz Pentium chip-based MB	$ 960
P6-200 Pentium pro chip -based MB	$1400
166MHz Pentium MMX based MB	$ 825
200MHz Pentium MMX based MB	$1135

TapeBackup

Iomega 800MB Int/Ext	$178/198
Iomega 2GB/3.2GB Int	$250/330
Colorado 800M In/Ex	$215/275
Colorado Jumbo1400 Int. 1.3G	$285
Seagate Tapestor 800 Int.	$215
Seagate Tapestor Traven 3.2G	$315

ZIP/JAZ DRIVE

ZIP Drive 100M Par/SCSI	$285
JAZZ Drive 1.0G SCSI INT.	$540

Prices subject to change without any notice

Computer Service Center
. System Diagnostic
. System Upgrade
. System Repair

Internet Email Address: syspro@axionet.com
COMPUTER BOOKS : UP TO 40% DISCOUNT
SALES.UPGRADE.NETWORKING.TRAINING.LEASING.
Address : Unit #1, 10330, 152nd Street, Surrey, B.C. V3R 4G8
(Across from Guildford Mall, right behind Roger Video)

Business Hours:

Mon-Fri	9:30AM - 6:00PM
Saturday	11:00AM - 5:00PM
Sunday	Closed
Long Week-End	Closed

Small business accounting ...

continued from page 43

month. And online graphical help bears out BestWare's repeated claim that accountancy jargon-free *M.Y.O.B.* is easy, easy, easy. Another welcome feature is that a free, limited-use trial version is available on BestWare's website.

Proudly Canadian

The product is completely Canadianized—"You deserve more than a maple leaf on the box," says BestWare—and comes with a 30-day money-back guarantee.

Peachtree Accounting for Windows will appear to growth-oriented businesses that want to cut costs. One site licence means extra licences don't have to be bought as a small firm expands.

Managing employee costs becomes much more controllable with up to ten pay rates—hourly, weekly, overtime, etc.—being available. Users can also receive alerts when credit or expense balances go over set limits. There's even a graphical tool for automated collection and reminder letters for accounts receivable.

Peachtree First Accounting is a far simpler accountancy tool with minimal capabilities.

Simply Accounting lives up to its name by even providing a workbook and accounting manual for beginners. Transactions are started by just dragging a ledger or journal button to a tool button. Storage of last year's records enable upward or downward trends to be quickly spotted and two periods within the same year can be compared.

The security-minded will like the numbered general journal, which provides a full audit trail. Sales and purchase entries automatically update inventory records.

Despite its name, the program is not that simple. It even provides project costing with detailed profit and loss reports for each job.

Choices, choices

All four are good, comprehensive products. But a word of advice: don't just go with the one recommended by your accountant. If the one you feel most comfortable with meets your needs and the legal requirements, that's the one to go with. ◆

LYNX Internet http://www.lynx.bc.ca

Super WebSite
www.superwebsite.com

LYNX INTERNET

- **Proudly** Support the 1st & most powerful internet HomePage "www.superwebsite.com"
- **$20** UnlimitedAccess
- T1 Connection
- World Wide Web
- Web Development
- E-Mail
- Newsnet
- FTP
- **Traning** courses
- Internet Concept
- HTML webpage design
- Pre-Occupational DTP
- Network Technologies
- LAN Administration

938 HOWE STREET VANCOUVER, V6Z 1N9 TEL:604-331-2511 Fax:604-331-2522 E-mail:info@lynx.bc.ca

Designed by Canton Productions

Personal money management

• • By MYLES WHITE • •

The number of players in most computer-software fields has narrowed over the years. Personal money-management programs, also known as home-chequebook managers, are no exception.

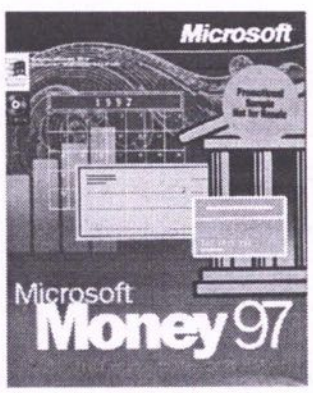
From a handful of choices in the long-ago, we are, for all intents and purposes, down to two choices in the PC/Windows 95 environment, and just one for Mac and Windows 3.1x users.

Although Microsoft's *Money 97 for Windows 95* has more banks lined up for direct online access in the United States, Intuit's *Quicken* still dominates both US and Canadian markets among computerized chequebook users. And, the last time I counted, *Quicken* had the ear of more Canadian financial institutions offering either Internet or proprietary online schemes as well. It's also the only product with versions for both Windows 3.1 and Mac.

Fair exchange

One of the other main deciding factors you'd use to choose one of these products may soon be irrelevant, however. In late January, Microsoft Canada and Intuit Canada announced the creation of a single, unified technical specification, called Open Financial Exchange, that will enable financial institutions to exchange financial data over the Internet with Web users and users of either *Quicken* or *Money*. The Open Financial Exchange specification is the convergence of Microsoft's Open Financial Connectivity and Intuit's OpenExchange.

Open Financial Exchange was developed in concert with financial services companies in response to their desires for a simplified method for exchanging financial data. The unified specification will streamline the process financial institutions need to go through to connect to multiple customer interfaces, processors, and systems integrators.



While this won't mean a major change immediately in how you access your bank account(s), eventually, it could streamline consumer and small business banking; consumer and small-business bill payment, and investments, including stocks, bonds, and mutual funds. The companies eventually plan to add other financial services including financial planning, insurance, and tax preparation and filing.

It could also bring services not yet available in Canada, such as CheckFree and online management of credit-card accounts with Visa and MasterCard.

In the meantime, however, Canadian users of chequebook management software have an even simpler choice to make between *Money* and *Quicken*. At present, *Money* still doesn't support Canadian interest or tax structures. There is no mention of GST, PST, or paystub deductions such as Canada Pension Plan (CPP) or Unemployment Insurance (UIC)—nor does it calculate interest rates for amortization based on the Canadian formula.

Quicken, on the other hand, if you've changed your International settings in Windows to Canada, automatically installs the Canadian version with all of these items and more.

If you look at *Money 97*, the first thing it reminds you of is *Quicken 5* for Windows. There's a central home page with large, friendly buttons designed to take you to the appropriate section. Once under this interface, however, you soon realize that *Money's* similarity to *Quicken 5* is mostly skin deep. Yes, you can open *Quicken 5* files seamlessly without having to convert to the awful QIC file format to import each account, but detailed reports and graphs of expenses are gone. There are graphs, but I could find no way to make them as detailed as *Quicken's*. Oh, and by the way, if you've already converted to *Quicken 6*, don't try to open the new file format in *Money*. You'll break it.

You liked *Quicken's* blank "cheque" form to use for inputting expenses? Forget it. You'll get a dialogue box and like it.

Quicken 6 Deluxe (the version I tested) presents a much simpler interface than *Quicken 5*. In this case, the home screen, with its big buttons, is gone. Instead, across the bottom of the screen is a live toolbar. Wave the cursor over one of the icons and everything you can do pops on screen. New to *Quicken*? Leave the automatic tutor turned on. If you have a sound card, each operation will be accompanied by verbal instructions offering hints on how to do what you need to do.

There are new colours in the *Quicken* palette, too. The garish pastels are gone, replaced by account colour-coding that is much more pleasing (to my eye, at least).

No robbery

Last, but not least, you'll find one new routine that could change your life. Called Debt Reduction, it's a module available only in the Deluxe version that will examine your expenses and regular payments, then suggest a payment schedule that takes into account the rate of interest you'll pay on each, as well as the speediest way to get everything paid off (and leave you with a couple of bucks to see a movie when you're done).

My choice for 1997? *Quicken 6*. ◆

info box

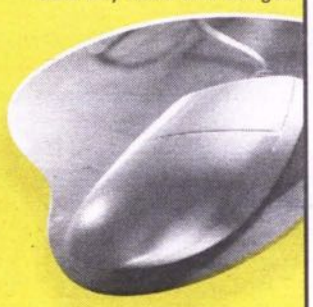
***Money 97*, from Microsoft. Win95. $44.95. Free demo version available for download from http://www.microsoft.com/**
For more information, contact 1-800-563-9048 (info); 1-800-933-4750 (sales); (905) 568-0434.
***Quicken 6*, from Intuit. Win95, Win 3.1x, or Mac. $39.95 ($59.95 Deluxe).**
For more information, call 1-800-330-4852 or visit http://www.inult.com/canada/

isn't it time you learned how to drive?

The Information Highway called the Internet, that is!

At Imaginet, we recognize all computer users were not created equal and that's exactly why we have crafted our company's Internet Access approach to accomodate any level of user.

From our easy to install software suite, 24 hour telephone support and in-home installation options to our free "Welcome to the Internet" courses, we have made it easy for our customers, regardless of their computer experience. **With five access packages, from $9.95/mth to $29.95/mth,** we have built a premium service at value pricing guaranteed to accommodate any need and budget.



Call Imaginet today at 662-8332, and ask about our **money-back guaranteed test drive,** and leave the rest to us.

dedication...imagine.that

imagi.net
www.imag.net INTERNET ACCESS

Does Your Office have a Recycling Program?

Conserve our environment and save $$$ at the same time

Use Recharged Toner Cartridges

Alouette Laser provides remanufactured and refilled toner cartridges to laser printer users with savings up to 60%

100% Money Back Guarantee

• We also carry other toners, developers & drum units.
Cartridges are tested and completely disassembled when recharged.
We also recharge cartridges for:

Photocopiers • Canon Personal Copier • Sharp Z-series Copier • Panasonic FP820

Laser Printers • HP Laser Jet I, II, IIP, III, IIIP, IIID, IIIsi, IV • Apple • Canon • Brother • IBM • QMS • NEC • **and more!**

Laser Fax Machines

Onsite Cleaning Service — Rebuilt Fuser Assemblies

FREE PICK-UP AND DELIVERY IN GREATER VANCOUVER

Alouette LASER PRODUCTS INC.
114-3070 Norland Ave. Burnaby, B.C.

Call Today 291-8442
Fax: 291-8435

PC palmtops:

Keeping your ducks in a row

• • By LYNN GREINER • •

Personal Digital Assistants (PDAs) come in all sizes and shapes, from simple organizers to full-fledged little computers. The latter, christened Handheld Personal Computers—HPCs—by marketers eager to differentiate them from "mere" organizers, run a Windows 95-like operating system called Windows CE (see sidebar on page 50) that looks and acts more or less like a full-sized PC's operating system.

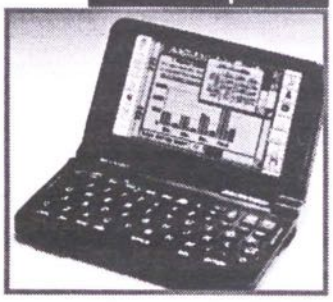
We gathered a herd of these little beasts, ranging from an inexpensive equivalent to a Day-Timer to units that do almost everything a notebook computer can, and put them through their paces. How? By tucking one into a pocket and seeing if it can, indeed, keep a reviewer's chaotic life on track.

The first thing we discovered was that, in most cases, a pocket isn't big enough. Some of these electronic wonders must live in a fairly substantial purse (or a briefcase). Three notable exceptions were the USRobotics Pilot, which was designed to fit into a man's shirt pocket, the Psion Siena, and TI's slim, light PS-6960Si organizer.

Since all of the units operate on batteries, and batteries have a nasty habit of running down, backup is important. We chose PDAs that can be backed up a to PC in some manner.

For input, most of our machines had keyboards of some description. The sole exception, the Pilot, relies on pen-based character recognition, or replication from a PC. Although all machines had the basic appointment management, phone/address lists, task lists and notepads of some sort, the level of additional functionality varied.

This is the biggest factor affecting a purchase decision—what do you need the thing to *do*? If you just want to keep your appointments in order, you'll choose differently than someone who wants to use their PDA as a mini notebook computer. So, read on—there's something for everyone here.



Sharp Zaurus

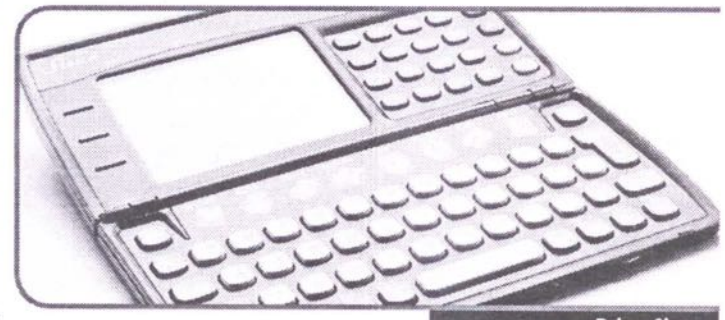
Review on the go

The Casio Cassiopeia and Compaq PC Companion are roughly the same unit, with some cosmetic differences. Each is offered in two configurations: 2 MB RAM, and 4 MB. We had one of each—the Compaq was a 4 MB machine, while the Casio was the 2 MB flavour.

These are Windows CE machines, with monochrome grayscale LCD displays that can be difficult to read in poor lighting, even with the built-in backlight. Contrast may be adjusted with a thumbwheel on the left side of the cover. Beneath the wheel, there's a light that flashes when an alarm has been triggered, so even if you miss the sound (which is faint, even with the volume at full), you have an indication that something needs attention. A button on the front of the unit resets the light without opening the cover.

A stylus slides into an enclosure at the right front, and although the end is fully exposed, even when the case is closed, it seats firmly. A single Type II PC Card slot contains a plastic filler when it's unoccupied, and has a lock to prevent accidental card ejection. As well, these two machines have connections for future digital-camera input. The synchronization connection (a serial port with a special plug) has a plastic cover that slides up into the case when not needed.

Surprisingly, the keyboards, though small, are actually fit to type on if you have small fingers and short nails. A few keys are in odd places—TAB is one row lower than expected, for example, and the right shift key is to the right of PgUp instead of to its left.



Psion Siena

continued on page 49

Anitec Computer Technology

電 腦 世 界

2607 Kingsway Vancouver, BC V5R 5H4
tel: (604) 435-2038 fax: (604) 435-1298
Hours: Mon. to Sat.: 10 am to 6 pm
Sun.: 11 am to 4 pm

Anitec Computer technology

Power Series 33.6K Fax/Modem
P100 $1399 Lease $45

- Deluxe Mid tower case
- Intel Triton II VX chipset Motherboard
- 256Kb pipelined burst cache, Flash Bios
- 2 fast serial ports, 1 enhanced printer ports
- 4 EIDE ports, floppy ports
- Intel Pentium processor, up to 200 mhz
- 16 MB EDO RAM, extendible to 128 Mb
- 64 Bit 1 Mb PCI SVGA card with MPEG
- 1.28 Gb EIDE mode 4 hard disk drive
- 3.5" 1,44 Mb floppy disk drive
- 14" .28dp NI LR SVGA color monitor
- 8x CDROM & 16 bit pnp Stereo sound card
- 80W amplified speakers, Microphone
- 33.6k Internal Fax/Modem
- Win'95 keyboard, mouse & pad
- 1 month free internet unlimited access

P120	P133	P150	P166	Cyrix/IBM
$1459	$1589	$1649	$1895	$call

Premium Series 32M EDO RAM
P133 $1979 Lease $64

- Deluxe "15/"19 tower case
- Intel Triton II VX chipset Mother board
- 512K Pipeline burst cache, Flash BIOS
- 2x fast serial ports, 1 enhanced printer port
- 4 EIDE ports, floppy ports, support USB
- Intel Pentium Processor, up to 200 mhz
- 32Mb EDO 60ns RAM, ext. to 128 Mb
- ATI/Diamond 2Mb 3D PCI with full MPEG
- Western Digital 2.1 Gb mode 4 EIDE HDD
- 3.5" 1.44 Mb floppy disk drive
- 12x CDROM& 16bit Sound Blaster PnP Sound Card
- 80W amplified speakers, Microphone
- 15" .28dpi NI LR flat screen monitor
- 33.6K internal voice Fax/Modem
- Win'95 keyboard, Logitech mouse & pad (MMX chip is available)

P100	P120	P150	P166	P200
$1838	$1869	$2079	$2239	$2589

SuperPro Series 17" monitor
Pro180 $3500 Lease $115

- Professional ATX 17" tower case
- Asus/Intel Pentium Pro PCI Mother board
- 256K internal cache built in Flash BIOS
- 2 fast serial ports, 1 enhanced printer port
- 4 EIDE ports, floppy ports
- Intel Pentium Pro processor & cooler
- 32 Mb EDO 60NS RAM, ext. to 128 Mb
- Matrox Mystique 2 MB SGRAM SVGA card
- Western Digital 2.1 G EIDE Hard Drive
- 3.5" 1.44 Mb floppy disk drive
- 12x CDROM & Sound Blaster 32 3D PnP Sound Card
- 230W amplified speakers, microphone
- ViewSonic/Optiques 17" SVGA color monitor
- USR Sportster 33.6Kb int. spkersphone Fax/Modem
- Win'95 keyboard, Microsoft mouse & pad

Pro180	Pro200	Dual Pentium
$3500	$3999	$call

AcerOpen Series 宏基電腦 TV output
P120 $2098 Lease $68

- AcerOpen Deluxe 17" tower case
- Acer AP53 Triton II chip PCI Motherboard
- 512K Pipeline burst cache, Flash BIOS
- 2 fast serial ports, 1 enhanced printer ports
- 4 EIDE ports, floppy ports, support USB
- Intel Pentium Processor, up to 200 Mb
- 32 MB EDO 60NS RAM, ext. to 256 MB
- 64Bit 2 Mb SVGA card with MPEG & TV output
- 1.6 Gb mode 4 EIDE Hard Drive
- 3.5" 1.44 Mb floppy drive
- Acer 12x CDROM & AW32 3D stereo sound card
- 80W amplified speakers, Microphone
- AcerView 15" N.I. Low radiation color monitor
- Acer 33.6K full duplex SVD Fax/Modem
- Win'95 keyboard, 3 button mouse & pad

P100	P133	P150	P166	P200
$1998	$2198	$2280	$2480	$2738

Systems come with 5 years labour, 2 years parts warranty. Cyrix/IBM 6x86 available. We ship out of town with a small charge. Easiest and best rate Leasing to own plans.

OEM SOFTWARE
Windows '95 CD full $129
MS Office Pro 97 CD full $480
MS Home CD bundle $89

REMOVEABLE DRIVE
Iomega zip drive Parallel $259
SCSI $259
Ditto tape drive 800 int. $159
800 ext. $199

PRINTER/SCANNER
HP680C/690C $399/489
HP820C/870C $529/659
HP5L/6P $590/999
HP4P/4C $680/1280
BJC240 $240
BJC4100 $299
BJC4550 $599
HL730 $489
Acer flatbed scan $399

MONITORS
Panasonic P15/P17 $519/1099
S15/S17 $459/859
SONY 15" sx/sf $549/629
17" sx/sf $1179/1399
NEC 15"xv/m500 $659/689
17"xv/m700 $1139/1089
Viewsonic V773/V775 $769/849
17GA/GS/PS $949/899/979
Acerview 17ie .27 $695
Sceptre 15"/17" $399/699

FAX/MODEM
Sportster USRobotics $169
33.6 Int. speakerphone $259
33.6 Ext. full duplex $420
ISDN 128K Terminal adaptor
Supra Express
33.6 Int. Voice $129
Cardinal/ Diamond Int. ISDN265/320

MULTIMEDIA
8x/12x CDROM $139/169
SB16/SB32PnP/AWE64$89/149/289

SIMM RAM
30pin 1m/4m $12/33
72pin 4/8/16/32 $29/55/99/199

VIDEO CARD
3DXpression 2M/4M $155/209
3D PC2TV 2M/4M $179/229
Stealth 3D EDO 2m $155
Stealth 3D EDO 4m $199
Mystique 2m/4m $199/325
Millenium 2m/4m $259/349

MOTHERBOARD
Gigabyte
VX 256K/HX 512 $169/209
Asus VX 256K/HX 256K $179/199
Intel/Asus Pro $369

HARD DISK
1.2G/1.6G/2.1G $245/279/319
2.5G/3.2G $359/399

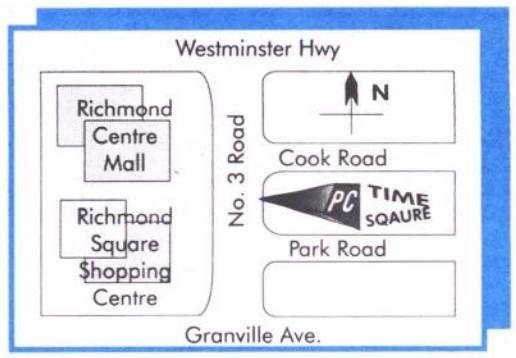
Prices subject to change without notice. All trademarks belong to their respective owners. Surcharge on paying credit card. With lease to own plan available 24 to 42 month terms.

PC CONNECTIONS

A Division of MPC Technologies Inc.

6600 No.3 Road, Richmond BC V6Y 2C2 (In TIME SQUARE CENTRE)

Tel (604)270-4883 Fax (604)270-3812



At PC CONNECTIONS is not your typical Computer. We specialized in HIGH PERFORMANCE System, POWERFUL MULTIMEDIA and ADVANCED COMMUNICATIONS Features that is beyond Internet.

PC CONNECTIONS Design from Your Point Of View which is USER FRIENDLY. Just a click here and there and you are Surfing the Net.

PC CONNECTIONS Multimedia System delivers SHARP BLAZING GRAPHICS and front row SURROUND SOUND. VIRTUAL 3D GRAPHIC High resolution , smooth action with sharp detail texture quality and special effects that will blow you away.

BUSINESS PACKAGE

POWER

- Intel Pentium P166MHz
- 16M EDO RAM
- 1.6 G. Hard Drive
- 15" Monitor • 8x CD-ROM

Key Features:

VIDEO CONFERENCE READY

- Discuss Business Oversea Face to Face Also With Your Friends & Family
- From Point to Point or Internet

$2,900

HOME PACKAGE

POWER

- Intel Pentium P166MHz
- 16M EDO RAM
- 1.6 G. Hard Drive
- 15" Monitor • 8x CD-ROM

$3,280

Key Features:

HOME CONTROL CENTER

- Lets you control your home lighting & appliance, Also Improve home security by giving your home a "Live In" look while you were away

TV-TUNER

- Watch your favorite TV Show & Update News
- Capture your favorite picture & print it or use it as a wall paper on your desktop

BASE COMPLETE INTEL PENTIUM SYSTEM

Start From $1,299

PRODUCTS HIGHLIGHT

* CASIO CASSIOPEIA Handheld PC

* CASIO QV-100 Digital Camera

Visit Our Latest PC Technology Showroom & Experience Our Demonstrations

GAMER PACKAGE

POWER

- Intel Pentium MMX P200MHz
- 32M EDO RAM
- 2.1 G. Hard Drive
- 17" Monitor • 12x CD-ROM

Key Features:

GRAPHICS

- Bring the ARCADE into your PC
- Fastest 3D fx Voodoo 3D Accelerator
- Smooth action and razor sharp detail
- 3D Graphic that comes to life
- Full screen MPEG Video CD Action

$4,880

SOUND

- CD-Quality audio one step further with 3D-Sound
- Experience front row dynamic sound

COMPUTER ASSOCIATES Software superior by design. Novell. intel inside pentium. HEWLETT PACKARD. Microsoft

Can you create the next Dilbert?

Toronto Computes! is looking for a monthly comic (strip) to make light of technological issues and trends. If being our comic contributor interests you, please create two complete samples of your proposed comic, and send them to us along with your name and phone number.
We encourage digital submissions.

Via e-mail: **cartoons@tcpon.com**
Via snail mail: **Comic Proposal, *Toronto Computes!* 99 Atlantic Ave. suite 408, Toronto, ON, M6K 3J8**
Via fax: **(416)588-8574**

We will be contacting only those whose submissions are chosen for publication. Published submissions will be remunerated.
Submissions will be accepted until April 1, 1997. If you have any questions, please phone 588-6818 ext. 313.

LASER MULTI-FUNCTION CENTER
5 in 1 (Plain Paper Laser)

brother

Model MFC-5500ML Quality Features

-FAX!	1MB memory for up to 50 pages (upgradeable to 2MB)
-PRINTER!	6 pages per minute speed (300 x 300 dpi)
-COPIER	99 copies unattended - including reduction/enlargement
-SCANNER!	also scans double sided pages
-FAX/MODEM!	5000 NUMBER ADDRESS BOOK

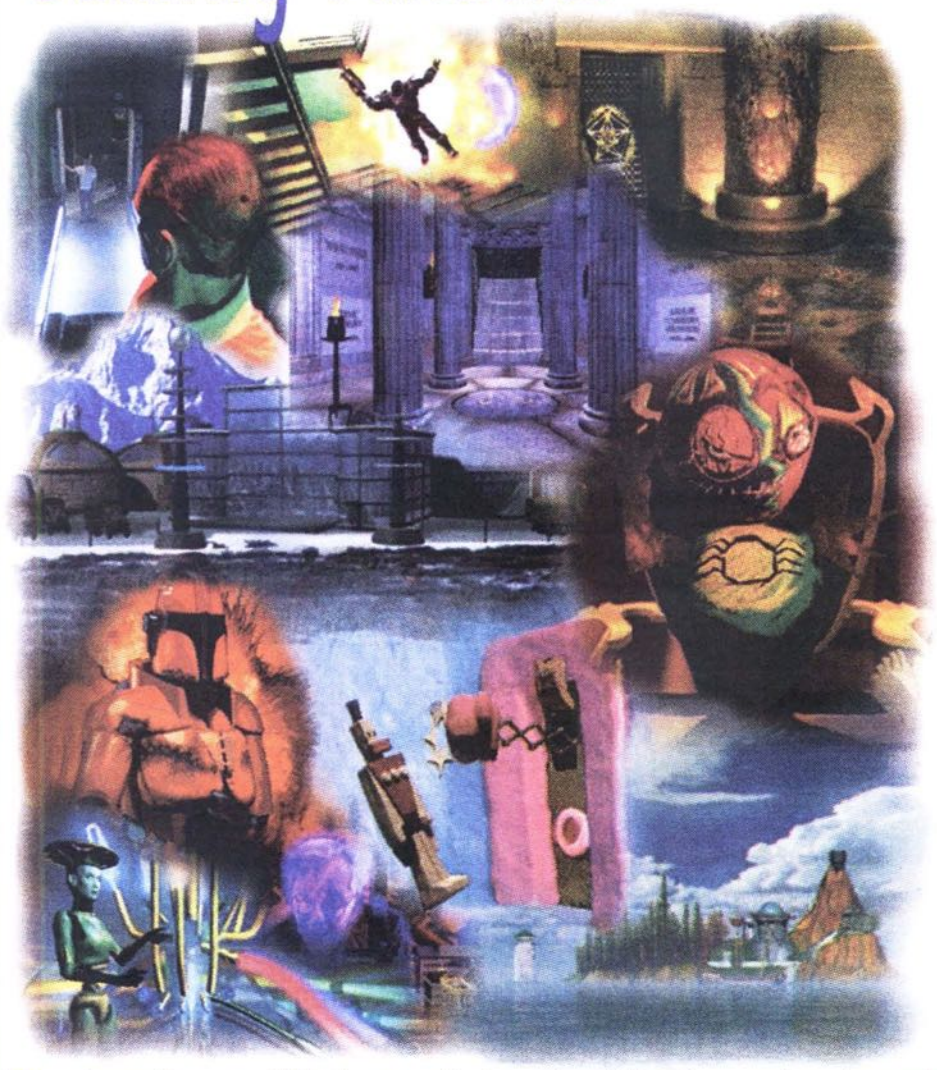
and dozens more!!

Includes "ClickBOOK" Software which turns your printer into a versitile electronic printshop and these are only some of the dozens of features of this practical unit. Also a free instructional video is included!

ONLY $899.00
(Original MSRP - $2,599.95)

VERSATEX SALES & SERVICE LTD.
your authorized brother dealer & full service center
4390 Fraser Street, at 28th, Vancouver
Call Now!! 876-3224
RESERVE YOURS - (Last of this model line - offer can't be repeated!!)

CONTEST
Gaming Fanatics *for extended*



Last month you said that our contest was too difficult, so we've changed the rules a bit. Instead of naming all eleven games pictured here, name as many as you can and qualify to win a copy of Blizzard's Diablo.

Send us your answers as well as your name, address and telephone number to: ***Gaming Contest e-mail:*** *contest@tcpon.com* ***fax:*** *(604) 608-2686*
mail: *408 - 99 Atlantic Ave., Toronto, Ontario, M6K 3J8*
Deadline: *March 14, 1997*

the Newton store

MessagePad 120 2.0
$399.95!
MessagePad 2000
Arriving this Month!

VANCOUVER	TORONTO	MONTRÉAL
1251 Pacific Boulevard. British Columbia V6Z 2R6	140 Adelaide St.East Ontario M5C 1K9	450, Ouest Blvd. René-Lévesque Québec H2Z 1Z6
604.899.0425	416.361.0446	514.954.1308

www.newtonstore.com Authorized Dealer

the PalmtopShop

WINDOWS CE
Cassiopeia by Casio

US ROBOTICS
Pilot 5000

Free Deluxe Targus Leather Case *with any* Cassiopeia *or* Pilot 5000 *purchase!*

Featuring Products by
Casio
Hewlett Packard
Motorola
US Robotics
Megahertz

138 ADELAIDE ST. EAST, TORONTO, CAN. M5C 1K9
TEL: 416.361.3443 FAX: 416.361.0451

1.888.PALM.4U2 | www.palmtopshop.com

PC palmtops: Keeping your ...

continued from page 46

Hewlett Packard's OmniGo 120 can accept input from either keyboard or stylus. The OmniGo understands a stylized handwritten character set called Graffiti, and translates it into text with amazing accuracy. There's also a keyboard, although its touch is not conducive to typing—rather, you bash away with two fingers. The keys are well-spaced, at any rate. The OmniGo also accepts "digital ink," which simply stores the image of your scrawl as a graphic—perfect for maps and diagrams.

The display is a square LCD, somewhat brighter than the original OmniGo 100's, but still not backlit. It uses what HP calls "holographic" technology to impart a greenish reflected light to the screen. The OmniGo's biggest plus is in the clever way its cover folds back so you can hold the unit in one hand, like a notepad, rotate the display (that's the reason it's square), and use the machine comfortably.

The OmniGo uses the GEOS operating system, and offers a good collection of applications in addition to the basics, including a database, financial software, spreadsheet, notepad, and Solitaire. Its synchronization software and cable (an $85 option) work well, although the process gobbles battery power.

That special feeling

NEC MobilePro 400 is the third Windows CE machine we played with. Its screen is marginally smaller than that of the Casio/Compaq twins, and it has no backlight. On the plus side, its stylus is parked so that the end is protected when the case is closed, and its keyboard, with flat, rubbery keys, has a more distinct touch than that of the other CE machines.

The MobilePro has one PC Card slot with a hinged cover (no plastic doodad to lose), and its cable connector is protected by a rubber cover that fits neatly into a recess on the bottom of the case when not in use. The alarm light is incorporated into the power switch, which is accessible when the case is closed, and an infrared port is on the back.

Psion Siena 512K has a unique pop-up cover that protects the infrared port and serial connection when the machine is closed. When it's open, the cover lies flat, so the display is only slightly tilted by the pop-up.

The Siena has a separate numeric keyboard, beside the small, rectangular screen, and an alpha keyboard below. There are also buttons to activate the applications: a cardfile database, a text processor, a calendar/appointment book with task list, calculator, spreadsheet, alarms, and world clock. Typing, practically speaking, is a two-finger exercise, since the keyboard is so tiny.

The infrared port can exchange data with another Siena, and the unit can output to a limited list of common (if older) printers. There's even a simple programming language.

The Sharp edge?

Sharp Zaurus ZR-3000 and Sharp Zaurus ZR-5800 are birds of a feather. The 5800, says Sharp, is the unit for someone who wants ultimate flexibility, while the 3000 is a newer, more turnkey system with integrated e-mail and PC connectivity.

Like the Windows CE machines, the 3000 integrates with Windows 95, and is actually ahead of the game in that it does inter-operate with *Word 7.0* and *Excel 7.0*. Its scheduler talks to *Schedule+ 7.0*, *ACT! 2.0*, *Lotus Organizer 97*, and *Goldmine 95*. There's a built-in CompuServe client, as well as fax software, but you must add a special modem.

The Zaurus models accept keyboard input, or digital ink from the included stylus, but do not have any sort of handwriting recognition. The keys are very large, and I found them difficult to type on accurately because of the wide spacing.

continued on page 50

Unit	Display	Backlit	A/C adapter	Batteries	Size (in.)	Weight	IrDA	Serial Conn	PC Card	PC Conn.
Compaq	480x240	Y	opt.	2 x AA	6.3x3.6x1	13.4 oz	Y	Y	Y	Y
Casio	480x240	Y	opt.	2 x AA	6.3x3.6x1	13.4 oz	Y	Y	Y	Y
OmniGo	240x240	N	n/a	2 x AA	6x3.7x1	11.7 oz	N	Y	Y	opt.
NEC	480x240	N	incl.	2 x AA	6.9x3.8x1	13.6 oz	Y	Y	Y	Y
Psion	240x160	N	n/a	2 x AAA	5.9x2.7x.7	180 g	Y	Y	N	opt.
ZR-3000	320x240	N	opt.	2 x AA	6.3x3.6x.9	8 oz	Y	Y	N	Y
ZR-5800	320x240	Y	opt.	2 x AA	6.7x3.9x1	13.8 oz	Y	Y	Y	opt.
T.I.	6 line x 24 char.	Y	n/a	2 x 2032	5.2x3.6x.6	4.8 oz	N	N	N	Y
Pilot	160x160	N	n/a	2 x AAA	4.7x3.2x.7	5.7 oz	N	N	N	Y

info box

Casio Cassiopeia A-10 (2 MB). $699 (ESP). Contact: (416) 431-3747 or http://www.casio.com/

Compaq PC Companion 140 (4 MB). $1,000. Contact: (905) 707-1715 or http://www.compaq.com/

Hewlett Packard OmniGo 120. $602. Contact: 1-800-443-1254 or http://www.hp.com/handheld/

NEC MobilePro 400. $949. Contact: http://www.nec.com/

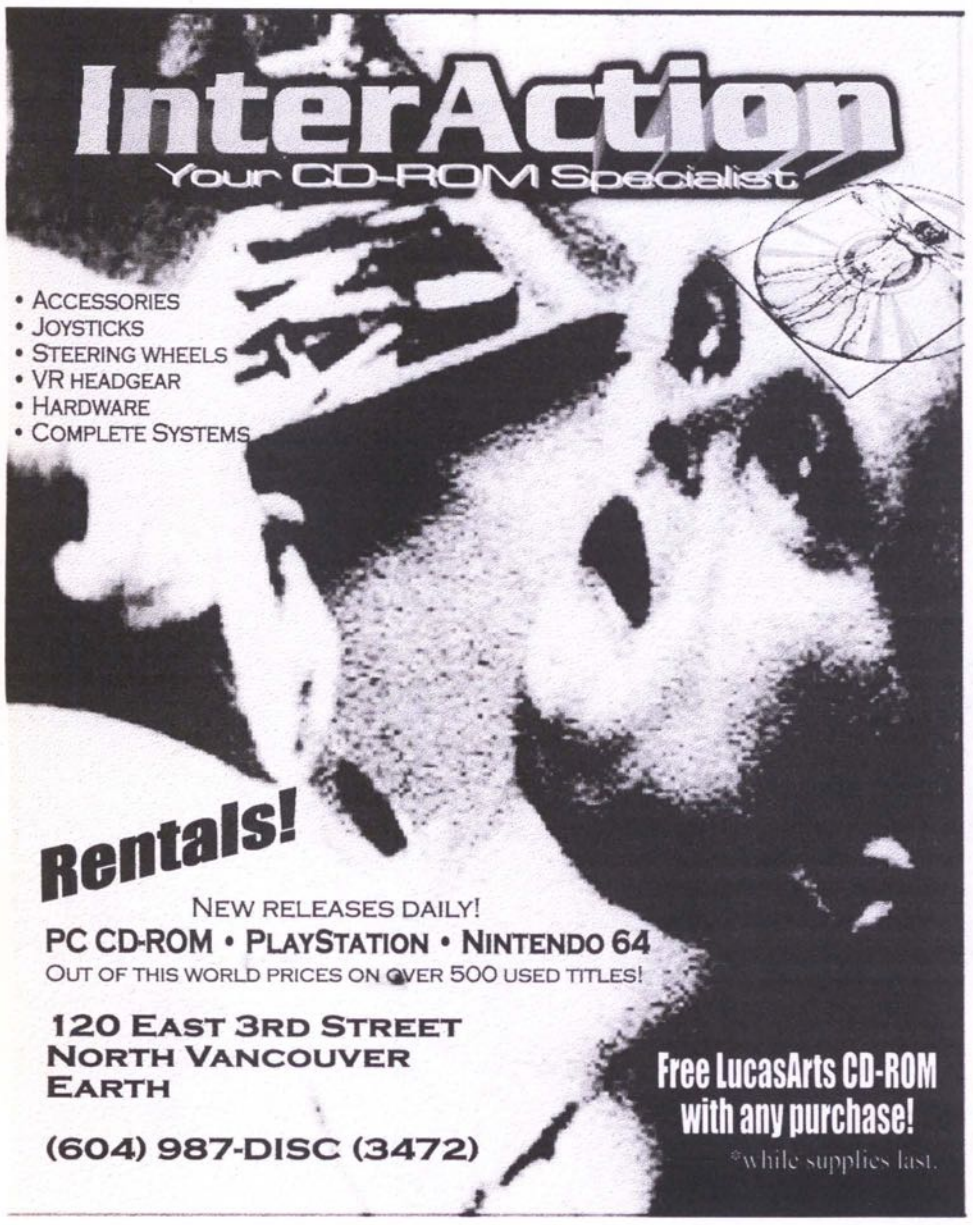
Psion Siena. $349 (512 KB model), $419 (1 MB). Contact: 1-800-361-0609 or http://www.psion.com/

Sharp ZR-3000. $549. Contact: 1-800-567-4277 or http://www.sharp-usa.com/zaurus/

Sharp ZR-5800. $699. Contact: 1-800-567-4277 or http://www.sharp-usa.com/zaurus/

Texas Instruments PS-6965SI. $239. Contact: 1-800-842-2737 or http://www.ti.com/

USRobotics Pilot 5000. $499. Contact: 1-800-891-6342 or http://www.usrobotics.com/palm/



N & K MULTIMEDIA SYSTEM

Basic	Standard	Professional
MMX P200 $2259	**MMX P200 $2469**	**MMX P200 $2849**
MMX P166 $1889	**MMX P166 $2099**	**MMX P166 $2469**
Intel P200 $2019	**Intel P200 $2219**	**Intel P200 $2589**
Intel P166 $1729	**Intel P166 $1929**	**Intel P166 $2299**
Intel P133 $1499	**Intel P133 $1709**	**Intel P133 $2079**
Intel P120 $1469	**Intel P120 $1669**	**Intel P120 $2049**
AMD P133 $1439	**AMD P133 $1649**	**AMD P133 $2019**
256K Pipeline Burst Cache	256K Pipeline Burst Cache	512K Pipeline Burst Cache
16 MB EDO RAM (60ns)	16 MB EDO RAM (60ns)	32 MB EDO RAM (60ns)
WD 1.6 GB EIDE Hard Drive	WD 2.1 GB EIDE Hard Drive	WD 3.1 GB EIDE Hard Drive
1.44 MB Floppy Drive	1.44 MB Floppy Drive	1.44 MB Floppy Drive
ATI Mach 64 w/1 MB & MPEG	ATI Mach 64 w/2 MB & MPEG	ATI 3D Xpression+ w/2 MB
Acer 14" SVGA Monitor .28dpi	Acer 15" Digital Control Monitor	Acer 15" Digital Control Monitor
19" Tower Case w/230 Watt P.S.	19" Tower Case w/230 Watt P.S.	19" Tower Case w/230 Watt P.S.
Mitsumi Keyboard & Mouse	Mitsumi Keyboard & Mouse	Mitsumi Keyboard & Mouse
33.6 Voice Modem for Windows	33.6 Voice Modem for Windows	US Robotics 33.6 Voice Modem
16-Bit PnP Sound Card	SoundBlaster 16 PnP Sound Card	SoundBlaster 32 PnP Sound Card
8X CD-ROM & 80W Speakers	12X CD-ROM & 80W Speakers	12X CD-ROM & 80W Speakers
MS Windows 95 Full Version CD	MS Windows 95 Full Version CD	MS Windows 95 Full Version CD

Two years parts & labour warranty. Leasing available!

Hard Drive		Monitor		PnP Sound Card		Laptop	
Western Digital 4.0 GB	$599	Proview 14"	$259	Acer 16-Bit	$39	Pentium 120 CPU	
Western Digital 3.1 GB	$419	Acer 14"	$289	SoundBlaster 16	$89	16 MB EDO RAM	
Western Digital 2.5 GB	$379	Acer 15"	$379	SoundBlaster 32	$139	1.08 GB Hard Drive	
Western Digital 2.1 GB	$329	Acer 17"	$739	SoundBlaster 64	$249	10.4" Color Screen	
Western Digital 1.6 GB	$289	MAG 15"	$490	**CD-ROM Bundle**		16-Bit Sound System	
Western Digital 1.2 GB	$269	MAG 17"	$765	SoundBlaster 16 2X	$165	6X CD-ROM	
ATI SUGA Card		**Voice Modem**		CD-ROM 8X	$239	MS Windows 95 CD	
ATI Mach 64 w/2 MB	$99	Zoltrix 14.4	$59	80W Speakers 12X	$259	**$2969**	
Video Boost w/2 MB	$115	Zoltrix 33.6	$99	**Printer**			
3D Xpression+ w/2 MB	$155	(For P100 & W95)		BJC-240 360dpi Color	$229	Pentium 133	+$125
3D Xpression+ PC2TV	$175	Supra 33.6	$135	HL-630 300dpi Laser	$355	TFT Screen	+$265
TV-Tuner for ATI	$149	USR 33.6	$165	HL-730 600dpi Laser	$455	33.6 Fax Modem	+$195

N & K Computer Since Aug 95 Tel/Fax: (604)325-9258
Open M-F 11-6 Sat 11-5, Holidays Closed
#207-4968 Victoria Drive, Vancouver, BC, V5P 3T7 (Near 34th Ave) nkc@skybus.com
Prices & specifications subject to change without notice. Cash & certified cheque only.

PC palmtops: Keeping your ...

continued from page 49

Texas Instruments PS-6965Si is a basic organizer, with appointments, alarms, addresses, and notes. It doesn't try to be anything else. The display is all upper case, in chunky, readable characters on a 24-character by 6-line screen, and features an Indiglo backlight like the one on your faithful Timex watch. The unit is super-slim, weighing in at just under 5 ounces. The 6965Si package includes the organizer, plus synchronization package for a PC of any vintage running Windows 3.1 or better.

USRobotics Pilot 5000 has created a stir with its elegant functionality since it was introduced last year. It's a keyboardless unit that fits into a shirt pocket, and accepts input via stylus using Graffiti. There are four basic applications: appointments, To Do, notes, and phone/address list, plus a simple calculator. Heavy data entry can be accomplished on a Windows PC, with the supplied software, or with any of the several PIMs (*Lotus Organizer*, *ACT!*, or Day-Timer, to name a few) that interface with the Pilot using optional software.

Entries can be categorized, so you can have separate business and personal To Do lists and display them on their own or together. The calendar is simple, only offering day or week views. To transfer data to or from a PC, all you need to do is sit the unit in its cradle and push a single button.

Canada Computes! Reviewer's Choice

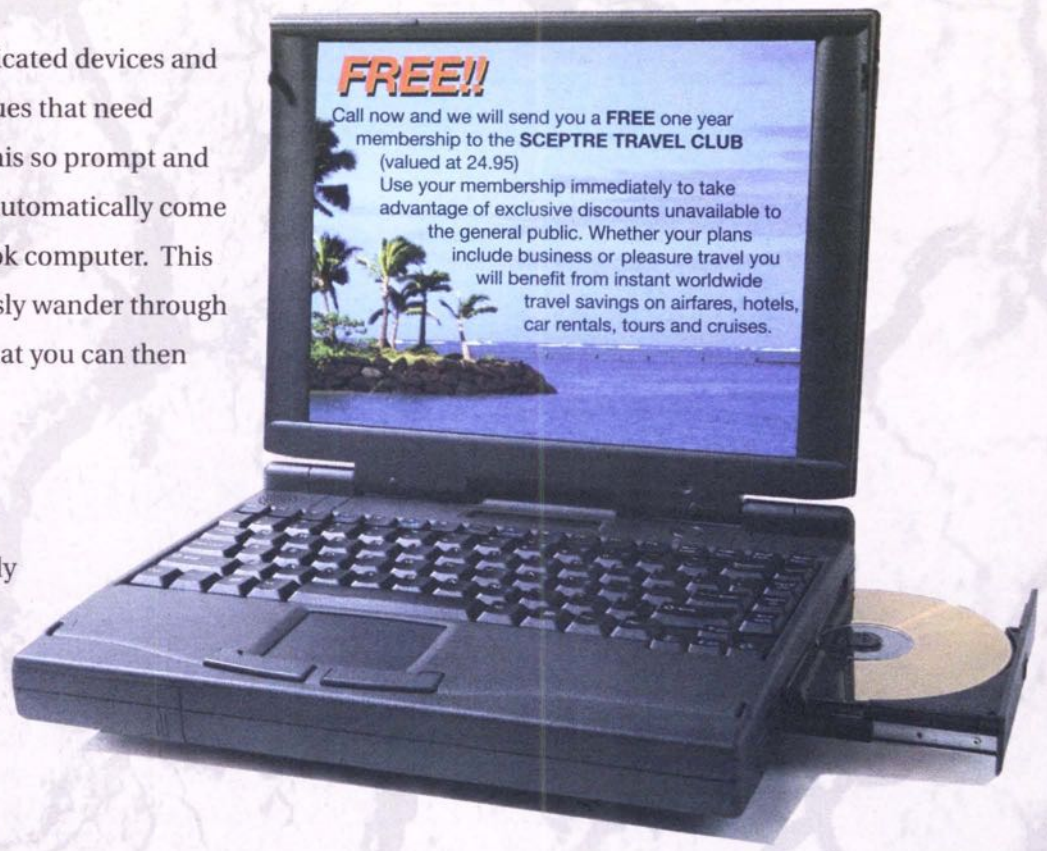
For a full-function handheld computer, the Windows CE machines fill the bill relatively well, as long as you have a Windows 95 machine to synchronize with. Of the three we tried, the NEC MobilePro 400 offers the best value, since it includes the A/C adapter and cradle in the box.

If all you need is a basic machine, I'm partial to the Pilot, with its convenient size, simple interface, and one-button synchronization. ◆

When you buy a Sceptre Soundx 4000, you won't hear this:

"The wait for tech support is currently longer than 45 minutes"

Notebook computers are complicated devices and you might have questions or issues that need resolving. We at Sceptre know this so prompt and courteous technical assistance automatically come with every Soundx 4000 notebook computer. This means you won't have to aimlessly wander through an arcane voice mail menu so that you can then wait on terminal hold.



Service. It's not that you are likely to need it. But isn't it nice to know it is there if you do?

For a dealer near you call
1-800-788-2878.

The Sceptre Soundx 4000. Available now.

11.7" x 8.9" x 1.9", 6.3 lb. w/floppy drive
133 to 150 MHz Pentium Processor
1 to 2 GB user removable HDD
8 to 40 MB EDO RAM
Lithium Ion Battery
12.1" TFT display
128 bit graphics
Modular Design
6X CD-ROM

intel inside pentium PROCESSOR

"A top performer"...
PC Magazine

"One of the better ones around"...
Laptop Buyers Guide and Handbook

SCEPTRE®
EXCELLENCE FOR ALL THE WORLD TO SEE
http://www.sceptretech.com 1-800-788-2878

Windows CE:

A mini OS for palmtops

Microsoft's Windows CE operating system was designed for the new generation of palmtop computers. It looks like Windows 95, with a little taskbar, a little Start button, and a desktop with a few key productivity applications living on it. Palmtops are mouseless, so Windows CE relies on touchscreen technology for its pointer control. To right-click, you hold the ALT key while tapping with the stylus.

Built-in apps include *Pocket Word*, *Pocket Excel*, a calendar, task list, contact list, and, of course, Solitaire. The Windows CE CD that comes with the systems lets you add *Pocket Internet Explorer*.

Documents can be used by the equivalent desktop software by dragging them from the HPC Explorer window (the Windows 95 interface to the HPC) to a folder, and files created on the desktop PC can be moved to the HPC; CE files will be automatically converted to *Word 6.0* or *Excel 5.0* documents, and returned to Pocket format when they're dragged back. Beware of *Office 97*, though—its *Word 6* conversion is flawed, and the HPC won't recognize it when you drag the document back to HPC Explorer. Fortunately, it seems to understand *Word 7* format.

The Pocket apps are *very* lite versions—*Pocket Word* is more like the WordPad text editor than a word processor—but they're functional. The contacts, task list, and appointments are compatible with *Microsoft Schedule+* —there's even a version on the Windows CE CD, in case you don't have it. *Outlook* users are out of luck, so far.

Windows CE knows nothing of printing. You must move a document to your desktop PC and print from there. CE can synchronize files with your desktop machine, or exchange contacts with another HPC via an infrared link, or communicate via modem or hard-wired connection (there's terminal emulation available, as well as *Internet Explorer*).

Growing pains...

continued from page 22

Given this, the Internet seemed like science fiction to most Egyptians only five years ago. Then the government opened a free Internet service provider in early 1993. It was primarily designed to serve businesses, and was oversubscribed almost immediately. Three years later, the government increased the bandwidth of its fibre-optic link to Europe from 64 KB to 2 MB and finally opened the market to private service providers.

Now Egypt has one of the fastest growing rates of Internet use in the world. In the past year, no less than 18 new service providers opened for business, and the government has doubled its capacity with a new 2 MB satellite link to the United States.

Perhaps even more amazing for those of us who have lived here for a while is the permissive stance of the government towards the new technology. While the media and foreign films are regularly censored, the Internet is entirely free of official interference. Whether or not this will continue is a burning question. In January, more than 100 alleged "devil worshippers," mostly the sons and daughters of prominent citizens, were arrested for insulting religion, a crime punishable by up to three years in jail.

While the so-called Satanists appear to be little more than a bunch of bored teenagers aping foreign fashions, Egyptian society is very conservative and many are blaming the Internet for corrupting the nation's youth. A committee has been formed to look into the matter and some are asking if it could be the first step towards monitoring the Net.

Most officials and Net enthusiasts here don't believe this will happen. They point to what they see as interference of a different kind as the main constraint on the spread of the Internet in Egypt: the continued state ownership of the telephone system. For although a baby born today would not have to wait until its thirtieth birthday for a phone line, it would still have to wait two months and pay hundreds of dollars before it could plug in its modem.

Siona Jenkins has been based in Cairo for eight years. She is a freelance writer for several publications including the *Irish Times* and the *Washington Times*. ◆

Egypt Web sites:

While Egypt may have come late to the world of the Internet, there is no shortage of Web sites related to things Egyptian.

http://pharos.bu.edu/egypt/home.html
An Egypt WWW index that covers 18 topics, each with links to other related fields. Those planning to travel to Egypt should click on the travel section.

http://www.travelfile.com/go/egypt.html
"Travel file: Destination Egypt" has a wealth of information and links to other relevant sites.

http://www.desk.nl/~pdenijs/faraos.html
Another fascinating—if somewhat morbid, site—which shows digital representations of the mummified remains of 16 ancient Egyptian royals.

http://pharos.bu.edu/Egypt/access.html
Detailed information about Internet access in Egypt; very useful for those who plan to visit and want to stay connected.

PC GALORE

We Buy Used Computers

Richmond	Vancouver
#106-9780 Cambie Rd	2744 W. 4th Ave Vancouver, BC
303-7331	732-7816

B&C Computers

6919 Russell Avenue, Burnaby
(1 block East of Imperial & Kingsway)
Phone: 437-6919 Fax: 437-3011
Regular store hours: Mon-Fri, 10am - 6pm

- We buy & sell, new & used computer items
- VGA/SVGA Monitor repairs from $80
- 486 DX-4 100 $550; 386 DX-40 $400
- 586 133 $1,075; Pentium & Pentium Pro Call

Compu Change Computer Show

Sunday, March 16th, 1997 10am-4pm

Firefighters' Club
6515 Bonsor Avenue, Burnaby
(behind The Bay, Metrotown)

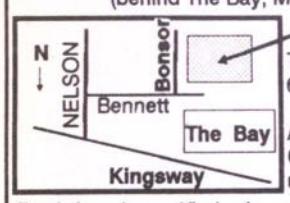


Table Rental:
6 ft. - $29, 8 ft. - $39

Admission: $2.00, Children 12 yrs. & under Free.

For info. phone Kimberley at; 438-1094 (10-6), 438-6114 (eve/weekend) or 816-7731 (show day).

UC United Computers

United Computers

The Place to Build Your Own Box

Intel Pentium-133

- Pentium-133MHz CPU
- Triton Chipset/256k Pipeline Cache
- 8MB EDO 72pin RAM
- 1.2 GB EIDE (mode4) Hard Drive
- PCI SVGA 1MB Video Card (exp. to 2MB)
- 1.44 MB 3.5" Floppy Drive
- 14" NI L/R SVGA Monitor
- Mid-Tower Case / 230 W Power
- 104 Key Win95 Keyboard
- 2 B Mouse

Sale Price: $1,018
*P100 / P120 / P150 / P166 / P200
$968 / 988 / 1068 / 1218 / 1478
*Pentium166 MMX : $1,418
*Pentium200 MMX : $1,718

Intel Pentium-166

- Pentium-166MHz CPU
- Triton II Chipset/256k Pipeline Cache
- 16MB EDO 72pin RAM
- 1.6 GB EIDE (mode4) Hard Drive
- PCI SVGA 2MB Video Card
- 1.44 MB 3.5" Floppy Drive
- 8x EIDE CD-ROM Drive
- 15" NI L/R SVGA Monitor
- Mid-Tower Case / 230 W Power
- Sound Blaster 16 PnP
- 60W Stereo Speaker
- 104 Key Win95 Keyboard
- MS Ver2 / Logitech Mouse

Sale Price: $1,659
*P100 / P120 / P133 / P150 / P200
$1419 / 1439 / 1469 / 1519 / 1919
*Pentium166 MMX : $1,849
*Pentium200 MMX : $2,129

Intel Pentium Pro 200

- Penthum Pro-180MHz CPU 256k L2C
- Intel 440FX ATX Motherboard
- 32MB EDO 72pin RAM
- 2.1 GB EIDE (mode4) Hard Drive
- ATI PCI 2MB Video Card
- 1.44 MB 3.5" Floppy Drive
- ATX Tower Case / ATX Power
- 104 Key Win95 Keyboard
- MS Ver2 / Logitech Mouse

Sale Price: $2,085
*Pentium Pro180 : $1,885

Specials:

Zip insider SCSI $235	WD 3.1 GB $380
Koss Subwoofer $135	SB AWE 64 $235
AMD 5x86 133 $48	

Internet Pak:
Internet Gateway Kit $19.50

Upgrade Options:

16MB / 32MB EDO RAM	$49 / 166	33.6 Fax/Data Modem	$110	15" / 17" Monitor	$90 / 300
512K Pipeline Cache	$25	8x / 12x CD-ROM Driver	$135 / 160	60W / 120W Speaker	$25 / 68
1.6GB / 2.0GB / 2.5GB	$40 / 90 / 120	Fujitsu / MS Nature Keyboard	$10 / 86	Microsoft Home CD pack	$80
16bit / 32bit Sound Card	$86 / 135	Microsoft / Logitech Mouse	$32 / 32	Windows 95 / DOS 6.22+Win3.1	$125 / 130

Storage Devices

Hard Drives:

WD 1.6 / 2.1 GB	$290 / 320
WD 2.5 / 3.1 GB	$365 / 395
Quantum 1.2 / 2.1GB	$260 / 320
Quantum 2.5 / 3.1GB	$360 / 415
Maxtor 1.6/2.0/2.5GB	$280/315/345
Seagate1.2 / 1.6GB	$248 / 275
Quantum 1.2 / 2.1GB scsi	$340 / 450
Seagate2.1 / 4.26GB wscsi	$660/1495

Backup / JAZ / ZIP Drives:

Colorado 350 / 700MB int.	$258 / 299
Colorado Trackor 350MB ext.	$278
Colorado TBD800 int./ext.	$212 / 250
Conner 420 / 800MB int.	$160 / 205
Ditto 2GB int/ext.	$210 / 260
ZIP 100MB Drive Para/SCSI	$245
JAZ 1GB SCSI int / ext.	$549 / 630

Modems

Thunderlink33.6 int Voice	$119
Cardinal 33.6 int Fax/Modem	$160
Cardinal 33.6 int Voice/Fax/Data	$210
Supra 33.6 PnP w/Voice	$135
GVC 33.6 PCMCIA Fax/Modem	$275
USR 33.6 int / Voice	$150 / 168
USR 33.6 int./ ext. Voice	$219 / 245
USR Courier ISDN int./ext.	$539 / 632

Printers

Canon BJ30/BJC70 Portable	$298/389
Canon BJC240/4100 Color	$230 / 299
Canon LPB460 600dpi Laser	$420
HP 680C/820Cxi/870C	$370/499/630
HP 5L Laser	$530
HP 5P / 5SI 600dpi Laser	$1179 / 3660
Epson Stylus 500/Pro Color	$375 / 585
Brother HL641 / 660 Laser	$440 / 649
Lexmark 2050 Color	$385

Displays / Sound

14"/15"/17" Monitor	$250 / 320 / 640
Acer 15" / 17" NI L/R	$365 / 715
MAG 15" DX1595 / DX15T	$450 / 475
MAG 17" DX1795 / DX17T	$815 / 950
NEC 15" C500 / M500	$540 / 630
NEC 17" M700 / XV+	$1030 / 1095
Sceptre 17" .28 / .26 PnP	$660 / 730
Sony 15" 100SX / SF2	$530 / 620
Sony 17" 200SX	$910
Panasonic P15 / P17	$480 / 1090
Viewsonic 17" GS / PS	$830 / 940
Viewsonic21" / 29"	$2285 / 3195
Optiquest 15V655	$430
Optiquest 15V775.28 1600x1280	$850
Trident w/MPEG 1M / 2M	$49 / 69
Cirrus Logic w/MPEG 1M / 2M	$49 / 69
ATI 3D 2M w/MPEG	$149
ATI 3D PC2TV 2M	$175
ATI 3D Pro Turbo 4M / 8M	$265 / 385
Diamond STL3D 2M / 4M	$145 / 195
Diamond STL3DV 2M / 4M	$295 / 350
Mystique 2M / 4M	$195 / 230
Millenium 2M / 4M	$250 / 350
Sound Blaster 16 / 32 PnP	$86 / 135
Sound Blaster AWE64 PnP	$250
60W / 120W Speakers	$25 / 68

Networks

Ovislink ISA NBC Network Card	$38
Ovislink PCI BNC Network Card	$49
NE2000 Combo PCMCIA NIC	$199
NE2000 16bit ISA Combo PnP NIC	$86
NE2000 16bit ISA Coaxial PnP NIC	$86

CPU/RAM/M-Board

Intel P100/P120/P133	$150 / 165 / 195
Intel P150/P166/P200	$250 / 395 / 665
Intel P166MMX/P200MMX	$570 / 870
Cyrix 6x133+/150+/166+	$158/165/205
72 pin 4M/8M/16M EDO	$30 / 49 / 106
72 pin 32M EDO	$175
Intel VX w/256K Pipeline Cache	$115
Intel VX w/256K PBC MMX	$135
GA586 VX / HX 512K PBC	$170 / 190
ASUS T2P4 256K PBC	$198
ASUS ATX 256K PBC	$210
TYAN S1470 256K PBC	$205
TYAN Tomcat III Dual-Pentium	$315
Intel V440FX ATX	$350

Peripherals

Pioneer 12x EIDE/SCSI	$190 / 220
Toshiba 12x EIDE	$190
Panasonic 8x / 12x EIDE	$138 / 160
Acer 8x / 10x EIDE	$135 / 150
Mini 13" / Mid 15" Tower	$53 / 59
Full-Tower 19" / 25"	$68 / 115
Desktop Case	$60
15" ATX Tower	$115
Windows 95 Keyboard (104Key)	$22
Fujitsu 8725/4725 keyboard	$30 / 59
MS Nature Keyboard	$86
MS Ver2 2B Mouse	$32
Logitech 3B Mouse	$32
Qtronix Pro 2B Mouse	$15

We also carry laptop computers!
Come Visit Our Store or Call Us for the Best Price!

102-950 West Broadway, Vancouver, BC (Broadway & Oak)
Tel: (604) 730-1286 Fax: (604) 730-1076
Busuness Hours: Mon-Fri:9:30am-6:00pm, Sat: 10:00am-5:00pm, Sun: 1:00pm-5:00pm

All Listed Price Are Cash Discounted, Price Are Subjected to Change without Notice.

Marketplace

Data Recovery Labs

DOS • MAC • Novell • Xenix
UNIX • OS/2 • WIN NT
Hard Drives • Diskettes • Tape
Syquest • Bernoulli • Optical

Highest success rate, even with the most difficult situations. No recovery, no charge! We're your best chance of getting your lost data back.

Download our Data Recovery Info Kit www.datarec.com/infokit.html

1-800-563-1167

CUSTOM IDENTIFICATION

$5 OFF WITH THIS AD

WWW.REAL-ID.COM

ANY
COUNTRY/STATE/PROVINCE

BURNSIDE@REAL-ID.COM

MICROTROUBLES??

Quality Service Since 1977

RUSH JOBS OUR SPECIALTY
AUTHORIZED WARRANTY DEPOT

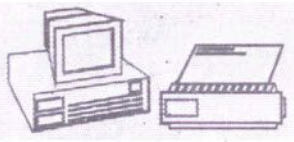
• DESKTOP & NOTEBOOKS REPAIRS
• CARRY-IN & ON-SITE SERVICE

278-0783

24 HOUR SERVICE 586-7550

MINITRONICS
OF CANADA LTD.
110-3320 JACOMBS RD., RICHMOND

ABLE COMPUTER RENTALS LTD.



Ask us about
RENT TO OWN
or LEASE

We Rent IBM Compatibles, 286, 386, 486 & Most Brands of Printers

Tel: **(604) 521-6904** Fax: 525-4060
440 CANFOR AVENUE, NEW WESTMINSTER, B.C. V3L 3C9

Japanese & English
(Chinese & Korean too)
Multi-lingual Web Site Design
From **$200**
per year
(Design & Hosting)
Web Words Ink Services
604-331-4432
email: info@ww-ink.com

日本語

Coda's

The Place for Computer Books
Westwood Mall - 3000 Lougheed Hay, Poco 464-5515
Champlain Mall - 3200 E54 Ave., Vancouver 437-5553
電腦書籍專門店
"The bookseller with experience and knowledge"

When you can't breathe, nothing else matters
† BRITISH COLUMBIA LUNG ASSOCIATION
731-LUNG or 1-800-665-LUNG

SUBSCRIBE TO COMPUTER PLAYER!
AND YOU COULD WIN...

Taxpayers using Brian Costello HomeTax to complete their 1996 tax returns will be able to file those returns earlier than ever, long before users of any other tax software on the market.

"This year, the early edition is ready to file: it will enable taxpayers to file their returns weeks or even months ahead of the Revenue Canada deadline," explains Domenic Sicilia, president of HomeTax.

New features include Brian Costello tax tips, better print resolution of tax forms and schedules, 100 hours of free Internet access, an Internet upgrade to the Deluxe Edition, and an assortment of rebate coupons and discounts on PC hardware and software products.

With HomeTax, the process of completing a tax return is made easier, quicker and more efficient. Users can go through the return form-by-form, or use the step-by-step "EasyPrep" feature. Calculations are performed automatically, information is entered in the correct place on each form, and HomeTax performs an accuracy check. HomeTax offers a range of help features including extended tech support by phone as well as 24-hour Internet assistance.

The HomeTax web site is located at www.hometax.com/~hometax/.

Please send me a subscription to ***Computer Player! Canada Computes! B.C. Edition*** and enter me in the April 1st/97 draw for Brian Costello HomeTax. A one-year subscription costs $29.95 (12 Issues) or $49.90 for two-years (24 Issues) incl. GST to cover postage and handling.
I am paying the full amount, Payable to Canada Computes!, by ❑ Cheque or money order or,
❑ VISA ❑ Master Card# _____ Exp. _____
Name: _____
Company (if applicable) _____
Address: _____
City: _____ Prov. _____ Code: _____
Phone Number: _____
Subscriptions are transferable but non-refundable.

Send to:
SUBSCRIPTIONS
Computer Player!
Canada Computes!
BC Edition
503-425 Carrall St.
Vancouver BC V6B 6E3

(604) 608-2688 Facsimile 608-2686

B.C.'S BEST

Free classifieds

BUY&SELL ON LINE

Hard-copies at newsstands everywhere.

http://www.buysell.com

Internet 上的語音世界

作者：林啓清 (JimLin)

一、前言

由於社會的進步，人與人之間的互動也有了很顯著的改變?

像以前，人與人是靠信件來與遠端的親友聯絡。慢慢的，由於電話的發明，人與人的感情聯繫就轉由細細的兩條電話線在負責。

尤其是遠在它地的移民或遊客，電話更是不可或缺的生活必需品?

國際電話費或長途電話費幾乎成了日惘的開銷，眞是讓人又愛又恨(愛的是電話的方便性，恨的是電話費對荷包的強大傷恩力)。

在談InternetPhone之前，先介紹幾個目前惘見的InternetPhone軟體，讀者們可以先連過去將軟體給傳回來....:)

1) 網址：http://magenta.com
名稱：CyberPhone
這個軟體除了具備一般的InternetPhone功能之外，還具有點對點的交談功能。在通訊效果不良時，也可以採用文字模式的打字交談來彌補!
功能很實在，但是畫面設計就不是很講究了?

2) 網址：http://www.freetelco.com
名稱：FreeTel
這個軟體是一個很簡單的InternetPhone軟體，可以玩玩。

3) 網址：http://www.itelcom.com
名稱：WebPhone
這個軟體除了具備一般的InternetPhone功能之外，只支援點對點的交談功能，無法像VocalTec公司所設計的IPhone一樣，能自由去找不認識的人聊天。
不過，有用過的人都會豎起大姆指說棒 .....:)
因爲，除了畫面(就是一支Motorola行動電話的畫面)漂亮之外，聲音清晰程度也是其它軟體所比不上的?

4) 網址：http://dsp.ee.cuhk.edu.hk/proj/icalldl.html
名稱：InternetCall
這個軟體是一個簡單好用的InternetPhone，只具有點對點的交談功能。功能非惘簡陋，但實用。

5) 網址：http://www.ffg.com
名稱：RoundTable
這個軟體具備一般的InternetPhone功能，但由於Server只有一部，有時侯連接會有點困難?並無特殊超強功能，可以試玩看看?

6) 網址：http://www.fourmilab.cn
名稱：SpeakFreely
這個軟體除了具備一般的InternetPhone功能之外，還支援多種語音編碼，功能很多。還可以將自己的照片放在程式裡面，與您交談的對方就可以看到您的玉照(小心不要隨便嚇人)。可以同時接聽多人的電話，但同一時間只能與其中一人講話。

7) 網址：http://www.vocaltec.com
名稱：InternetPhone
這個軟體幾乎可說是InternetPhone的龍頭老大(就好像是NetScape的地位一樣)，在InternetPhone市場佔有率高達80%以上，是個極爲強悍的程式。在Windows 3.1的最新版爲V.3.2，Windows95則爲V.4.0。
4.0版除了支援原有3.2版的所有功能之外，還具有文字交談、繪圖白板(WhiteBoard)、語音信箱、語音留言、圖形即時傳輸等功能。
3.2版在市面上可以很容易找到破解版(如果您不想花錢買的話)，至於4.0只有日期限制，但沒有功能限制，所以過期後，只要重新去抓一個新版的就可以了，除非您找得到破解版?
目前4.5版也已經開始提供試用，這一版尚提供視訊的功能，可以進行即時的影像會議。
筆者建議您IPhone是一定要去Download，其他的軟體您可以視情形選擇性的抓回來玩玩看?

二、IPhone的使用技巧

1) 等等我
如果您所使用的聲霸卡(SoundCard)是半雙工(HalfDuplex)，又恰好遇到對方是使用全雙功(FullDuplex)的卡且背景雜音很大，您可只能當聽衆囉?
因爲半雙工的卡只能一次做一件事(講或聽)，所以一旦對方開始講(沒有停)您就只能聽的份，必須要等到對方不講任何話(或聲音)，才會輪到您開講..:)
而如果有以下幾個情形，也可能造成您當聽衆：
1) 對方麥克風靈敏度太高
2) IPhone的麥克風啓動點設太低
3) 對方的背景雜音太高
4) 上面三點同時存在兩點或三點同時存在(好慘)
遇到這個問題怎麼辦?
如果遇到對方是生手，您只有認栽(當聽衆)，如果是老手，您看看能否設法在對方的講話空隙中插進一句等一下吧?
所以，想用InternetPhone，先換片全雙功的卡吧!
有些卡號稱是全雙工的卡，但是卻沒有雙工的效果，讀者的眼睛必須要睜亮哦?

2) 禮貌乎
我們知道InternetPhone是透過Internet來講話的一種軟體，所以當以下幾個變數有所變化時，都會造成通話兩端停止通話：
1) 與ISP間的連線中斷(可能是電話線路或數據機有問題)
2) IPhone的Server故障
3) 某一方使用試用版(3.2版以前)的IPhone時間已到
4)其他不明原因
既然變數這麼多，您可不可能在與ISP斷線(非您所能控制)前，與您的談話對象先說對不起，我等一下可能會被ISP斷線?
所以，當您使用IPhone在Internet上找人聊天時，想斷線或不想聊了，直接按選單上的切線即可，實在不必在那邊編一大堆連小孩子都不會相信的謊話。
因爲，不管您是有意切線或無意切線，還是很不甘願的被ISP斷線，與您交談的對方根本就搞不清楚您是爲什麼不見的?
所以，請停止編故事說謊話....:-)
當然，筆者並非叫您在談話過程中極盡粗魯之能事，而是告訴您不要掩耳盜鈴!
有與筆者談過的人(我經惘在上面出沒)都知道，我是非惘有禮貌的，除了幽默之外，也很樂意助人(受我幫助過者衆)....;切記!講話要爬意禮貌哦?

3) 飲食男女
人類從青春期來了之後，就會對異性充滿期待，幾乎沒有人不對異性有興趣(有性別認同問題者例外)。但由於禮教的約束，導致人類都用虛僞的外表來裝飾自己，不敢讓自己的那種對異性的渴望顯露在外?
所以，當男生看到女生時，男生會說您好漂亮(解除女生的心防)。基本上，說漂亮是沒有錯，但對那種非惘遵守交通規則(只沒有任何值得誇讚的女生)的女生可能會造成反效果?
以下是筆者所模擬的一個狀況：
M)小姐，您好漂亮哦!
W)謝謝(可能惘被誇漂亮)
W)少來了(對自己有自知之明，但是內心還是極爲喜悅)
W)您也很帥呀(可能惘被誇漂亮，但懂得回誇別人)
根據科學家的研究發現，人類是最不適合一夫一妻制的?
因爲：
1) 動物都有一定的發情期而人類隨時都可以來?
2) 人類是最喜新厭舊的動物(您不喜歡新東西嗎)?
所以，英明的人類祖先就訂下了一夫一妻制的法律，用來避免發生兩件事：
1) 男人太過操勞，壽命減短
2) 女人因爲爭風吃醋，而互相殘殺
筆者講了這麼許多，與IPhone有關嗎?當然有關....:)
因爲不管您結婚與否，您對可以上IPhone來與完全陌生的對方，來一場轟轟烈烈的電話性行爲，而且絕對合法且沒有後遺症?
所以，人類潛在的不忠實可以在Internet透過IPhone來完全發洩無遺!
根據筆者的經驗，有許多上IPhone的女生都把她們的第一次給了我..:)
不要誤會，這裡所指的第一次是指第一次用IPhone，而我又是她第一次的聊天對象。
如果您很討厭對方的講話內容，您可以不小心去按到斷線的按鍵，以避免彼此的爭論...:-)
PS1.但請不要以聲音來論斷一個

ScotiaMcLeod 豐業證券
2nd Fl.,1495 W.11th Ave. Vancouver, B.C. V6H 3Y6 Tel:737-3503; Fax:737-3524
免費投資理財資訊服務 投資顧問：Thomas Klein; William Ying
http://www.webhaven.com/money
本公司將提供一年期之*投資理財資訊傳眞服務*。免收費用，閣下可收到最新市場動態，理財經驗以及投資策略之報導。您只需將以下表格完成後傳眞或寄回本公司即可.
☑ 請勾選屬意之項目：
☐ 最新每月利率報導 ☐ 高收益債券投資組合(銀行定存替代方案)
☐ 金融市場現況報導 ☐ 每月十大股票表現報導
☐ RRSP投資入門簡介 ☐ 每月十大共同基金報導
姓名：_____ e-mail:_____
住址：_____
電話(公):_____(宅)：_____傳眞:_____
*請郵寄，傳眞或以電子郵件(*tomk@webhaven.com*)回覆此一良機，切勿錯過*

人，因爲聲音不好聽，不代表就是壞人..;PS2.交談的第一句話，先學著稱讚對方的名字或聲音，會讓您受人歡迎!

4) 如何釣魚

對於一個初用IPhone的人來說，不知道要找誰講話，應該是最惱過到的問題?

而對於一個IPhone老手來講，如何找到一個新手來聊天，這也是蠻困難的事?

對於一個男生而言，如何找個女生來聊天(只是純聊天與性行爲無關)，這應該是男生們所急於想知道的?

如果您是女生，您就不必擔心上IPhone找不到男生聊天了?因爲滿坑滿谷都是男生....:)

以下針對幾個不同需要，提供幾個方法讓讀者們參考：

(1) 找初學者

如果您要找初學者(第一次用)，要去那裡找呢?

很簡單!

在IPhone一安裝好後，會自動加入一個討論區，名字一定是General?

而初學者根本就還不知道怎樣加入討論區?

就在初學者還在摸索怎麼加入討論區時，已經有人叫她了，那個人就是我(或是我遠在臺灣的徒弟)....;Q

(2) 找女生

要找女生的話，這得要有點天份.....:)

仔細看NickName就可以判斷出是否爲女生?

但有些無聊男子由於太閒(沒有人要與他聊天)，所以會取女生的名字，用以吸引別人來叫他，讀者就自己看著辦囉!

茲提供幾個可能的名字供讀者參考：

<1>Angel
<2>Angella
<3>Cherry
<4>Ivy
<5>Jessica
<6>Juno
<7>Julia
<8>Julliette
<9>Linda
<A>Mary
<B>May
<C>Mary
<D>Rebaca
<E>Sanita
<F>Snowwhite

5) 如何避免釣錯魚

既然講IPhone有如在釣魚?那有沒有可能釣錯魚呢?當然會囉!

在IPhone的Comment欄位可以寫上一些簡單的敘述，這個敘述與交談者有很大的關係，仔細看是沒錯的?

在IPhone的一些特別的討論區是專給同性戀族群使用的，如果讀者非此族類，勿輕易加入(想探險者例外)。

也有些該族群會出來打游擊，萬一您遇上了，請善用斷線按鍵即可。

一般來講，在Comment處寫上自己年齡的人，都是別有用意的，如果您並非此道中人，最好不要隨便呼叫這類的網友。

當然，有許多顯而易見的Comment，如：

1)我現在一絲不掛
2)我有大陽具
3)其他相關詞句

如果您想要有一場轟轟烈烈的X行爲的話，不妨可以叫叫這類的網友，但該有的預防措施，請務必準備...:)

三、結語

由於在Internet上太過自由了，所以在您使用IPhone時，要學著如何適時保護自己，不要因爲科技的發達而造成個人的損恩才是?

基本上，在Internet上大部份的人都是很好的，所以讀者也不必被筆者嚇得不敢用IPhone，搞不好錯失了一樁良緣呢?

如果您有任何批評指教，歡迎與筆者聯絡(jimlin@intergate.bc.ca)。

除了IPhone之外，還有其它許多的InternetPhone的程式，有興趣的讀者，可以直接連到筆者的WebSite(http://www.cads.com.tw)上來抓取。

臺灣電腦顧問公司
每月空運來加拿大，歡迎批發、零售（種類繁多）
中文書籍雜誌
1. Windows95快速入門(初學者必備的書籍)
2. Internet輕鬆上網(玩Internet必備的書)
3. 凱訊光碟月刊(每期皆附有600MB各類程式)
4. 看圖例學PowerPoint(PowerPoint用戶必備)
5. 精通WindowsNT(NT用戶必備工具書)
專業銷售各種家用、商用電腦軟硬體系統
電話：(604)657-4919(Mon-Sat,10:30-18:30)
Mail：jiml@iceonline.comOR http://www.cads.com.tw

Every 7 minutes someone dies of heart disease and stroke.
Please give.
1-888-HSF-INFO
HEART AND STROKE FOUNDATION

中文輸出 直接及全面支援任何中文檔案輸出
中文字庫 加西唯一擁有整套52款華康中文激光照排機字庫
多國文字 能在同一檔案上同時輸出多種語文
彩色影像輸入 高解像度激光滾筒式掃描機
印前系統 加西唯一提供全線印前系統由軟/硬件及設備至輸出服務
彩色打樣 最新熱昇華中文及多國文字彩色打印及揭頁式和重疊式打樣服務
大型噴畫海報 列印面積可闊至48吋，長度無限
中文輸入法 加西唯一蒙恬手寫筆及蘋果語音輸入法總代理

今日電腦桌上排版系統的組成，已達至一個互取所長的穩定境界。
軟件硬件的完美配合，加上熟練操作及經驗，成為一套完善的工作系統。
我們提供至完善的桌上排版輸出服務及技術支援，使閣下更能專注於設計領域而無後顧之憂。

ACCA ACCESS PRODUCTION INC.
140-3757 Jacombs Rd., Richmond, B.C. Canada V6V 2R3
Tel: (604) 278-6227 Fax: (604) 278-8627
Modem: (604) 278-6207 eMail: acca@accapre-press.com
All trademarks & registered names are properties of their respective owners.
Adobe PEN POWER QUARK Mac

快達
Instant Solutions
Tel: (604) 273-0383

Demo: 中日文軟件商品示範週

Date / 日期：1, 2, 7-9 / 3 月 (Mar. 1, 2, 7 - 9)
地點：八佰伴中心二樓 Yaohan Centre (2nd flr), Rmd

Show: Computer To Go
Date: Mar. 15 (10-3pm)
Place: Eagle Hall
530 Columbia St.
New Westminster

Dragon Writer 圖龍軟件
3 Languages in 1 CD-ROM!
Many New Powerful Features
incl. Dragon Translator and 16 TT Fonts
可提供整篇文件或一段句子翻譯
直譯功能效果佳而使用方便
更有學習中心幫忙學習中文字
圖龍軟件內有十六種字形
三種語言：中、日、韓文

Professional Interactive Chinese
多媒体自學中文軟件
發音清楚且容易操作
No Chinese Background Required!

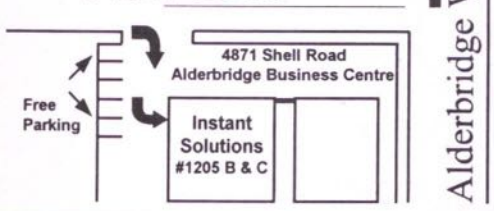
多媒體自學中文比賽完結
因缺乏參加者
獎項將留待下一次
PIC Contest is completed.
Prize will be retained.

Professional Interactive Chinese comes with voice recognition, flash cards, games and many other features. Incorporates two years of Mandarin training taking you to the intermediate skill level.

Instant Solutions' Interactive Learning Lab
Learning Mandarin Chinese, Japanese, English and French can be as easy as 1-2-3.
Multi-media learning lab available at your service.
Leasing options available while attending classes.
Many new exciting Asian Software Programs available!
Come up to our Lab for a free demo and see for yourself.

GoGo Pen V 5.0 介紹期間九折優待
New Pen, New Tablet Size & Many More Free Features. The Best Handwriting Input Pen!
Special Introductory Bonus - 10 % Off.
Best Value for Your Money! 物超所值
新到超薄形號精品漢筆
免費送97中華工具場內有國、粵語發音系統、中華字坊專業筆順教學課程及送雙橋中、日文(實用版)

周末照常示範請先來電預約



快達多媒体自學教室
簡化學習外國語程序
多種語言供選擇：
自學普通話、日、英、法
由淺入深每日一課
學員可得到購買軟件優待
Tel: 273-0383 (10 a.m. - 6 p.m.)
Cellular: 880-8699

COMPUTER PLAYER!
廣告效力宏大
請電：六零八—二六八八

圖龍中日韓文視窗系統
系統功能簡介

Asian Dragon Writer
Powerful Features

Dragon Manager 圖龍書寫管理器 | **True Type Fonts 字體** | **Dragon Translator 圖龍翻譯器** | **Dragon Learning Center 學習中心**

- Chinese, Japanese, and Korean interface for Windows. You can read, write, and print all three Asian Language characters and symbols with any Windows Applications such as Word Processor, Database, Spread Sheets, Graphics, etc.
- 圖龍書寫管理器提供一個視窗上的中日韓文介面，你可在任何視窗軟體內自由讀，寫，及 列印中日韓文.
- Provides wide varieties of input methods:

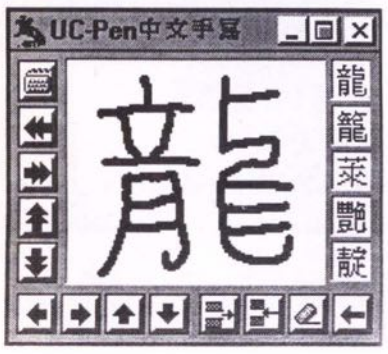
中文輸入法 (Chinese):
拼音 注音 倉頡 內碼 粵語 符號 英譯
Pin-Yin Zhu-Yin Chang-Jei Internal Code
Cantonese Pin-Yin Symbols English to Chinese

日文輸入法 (Japanese):
假名 羅馬拼音 內碼 英譯
Kana-Kanji Roma-Kanji S-JIS Code
English to Japanese

韓文輸入法 (Korean):
鍵盤 內碼 英譯
Hangul Keyboard KSC English to Korean

- Support Big 5 (13000+ Traditional Chinese characters), GB (7000+ Simplified Chinese), S-JIS, KSC, and Unicode.
- 支援大五碼，國標碼，日文及韓文標準內碼，
- 支援繁簡中文字，日文漢字，及韓文漢字.

Free Hand Writing Recognition Input For Traditional Chinese!
送超級筆手寫輸入法!



- Asian Dragon Writer provides 10 Traditional Chinese, 2 Simplified Chinese, 2 Japanese, and 2 Korean True Type fonts.
- 圖龍視窗系統內附有十種繁體中文，兩種簡體中文，兩種日文，及兩種韓文真實字體.
- 字體可隨意放大縮小，並可直排或橫排.

Font Samples

Traditional Chinese (繁體)

中明 粗宋 綜藝 中隸 中黑
M Ming L Song L ZongYi M Li M Hei
中楷 粗黑 仿宋 細明 細圓
M Kai L Hei M Song S Ming S Yuan

Simplified Chinese (簡體)

简粗黑 简中宋
L Hei M Song

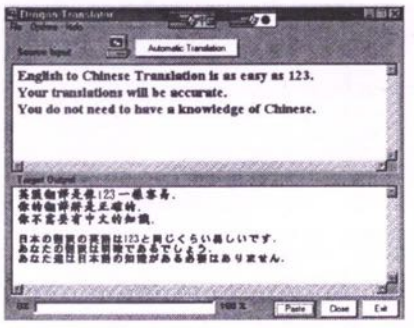
Japanese (日文)

日本語フォント1 日本語フォント2
Japanese Font #1 Japanese Font #2

Korean (韓文)

한국인의원천1 한국인의원천2
Korean Font #1 Korean Font #2

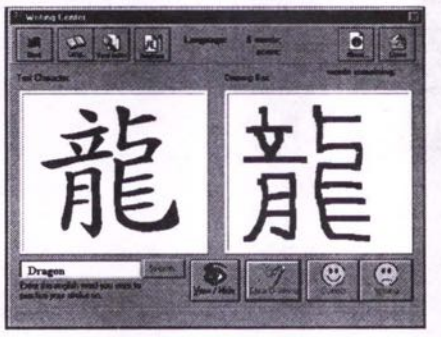
- Automatic Document Translation from **English to Chinese**. Dictionary Contains **150,000** phrases and words. Translate entire document or sentences inside of your favorite word processor.
- 專業英漢翻譯可翻譯整篇文件或一段文句，可在任何文書處理器內直接翻譯.提供十五萬字英漢詞典，翻譯效果準確.
- Automatic Document Translation from **English to Japanese**. Dictionary contains **100,000** phrases and words. Translate entire document or sentences inside of your favorite word processor.
- 專業英日翻譯可翻譯整篇文件或一段文句，可在任何文書處理器內直接翻譯.提供十萬字英日詞典，翻譯效果準確.
- Bi-directional Phrase Dictionaries for English-Chinese, English-Japanese and English-Korean are provided for easy translation of words and simple sentence. Each dictionary contains 70,000 words.
- 提供英漢，英日，及英韓雙向詞典，可直接 用於任何程式內進行簡易翻譯或查詢單字，每個詞典都有七萬多字.



System Requirement 系統需求

- 486+ CPU, 8+ MB RAM, Windows 3.1 or Win95.
- 60 MB Minimum Requirement for each language without installation of additional True Type fonts. 5 MB for each Additional Chinese True Type Font. Complete installation of Asian Dragon Writer requires 150 MB of HD Space.

- 圖龍視窗系統附有兩個語言學習程式.書寫學習中心可讓你學習如何書寫兩萬多繁簡中文字，日文平假，片假，漢字，及韓文字.
- 單字學習中心幫助你記憶超過七萬多的中日韓單字.



- Write Learning center teaches you how to write over 20,000 Chinese, Japanese, and Korean Symbols and Characters.

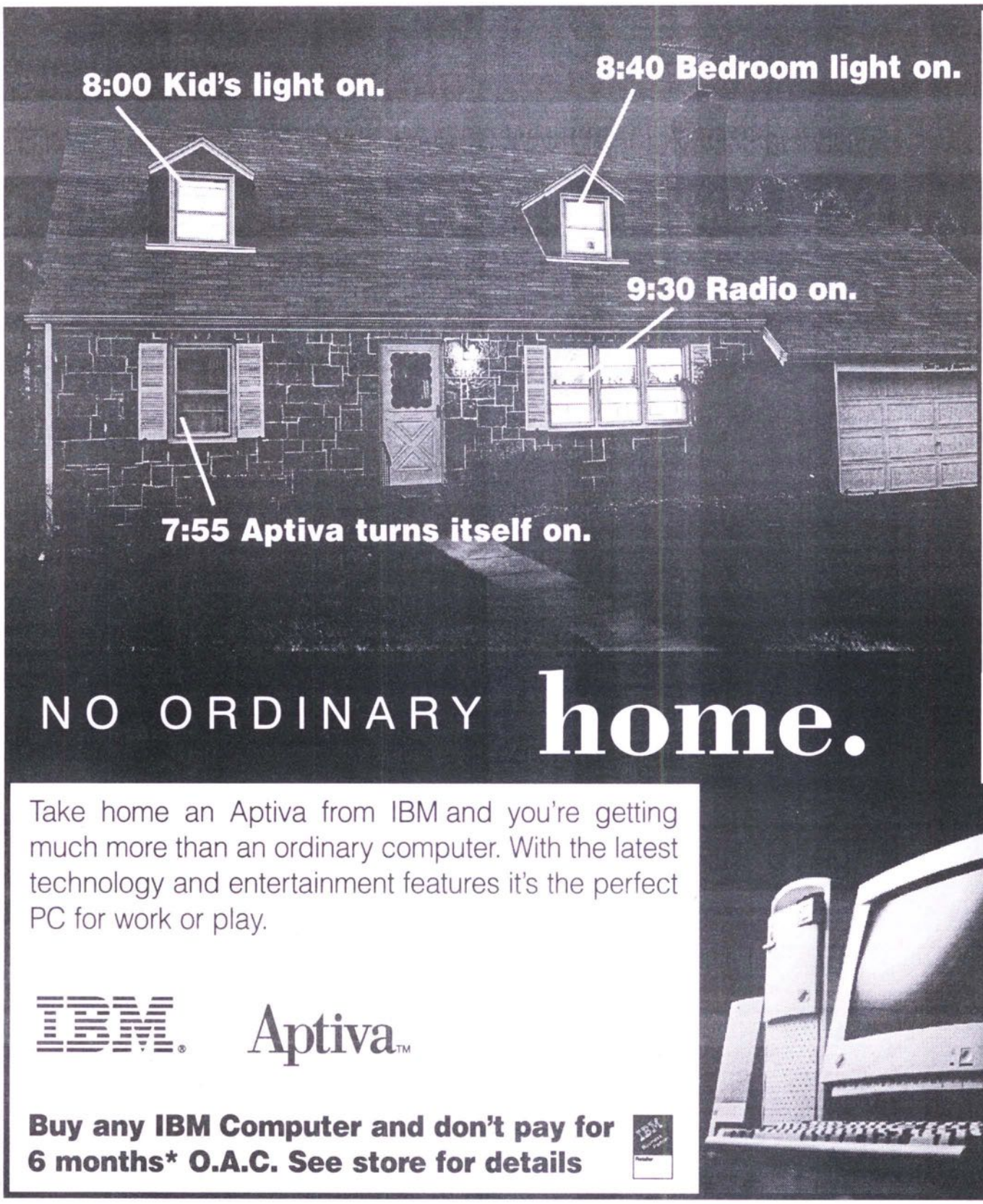
- Word Learning Center help you to memorize over 70,000 Words and phrases of each Asian Languages.

Other Product 其它產品

Thai, Indonesian, Vietnamese, Czech, Danish, Dutch, Esperanto, Greek, Hungarian, Latin, Polish, Romanian, Portuguese, Swahili, Turkish, Spanish, Italian French, German, Russian.

Information provided by Instant Solutions' *Interactive Learning Lab*
For enquiry, please call **273-0383**

WINTER WHITE SALE



Home Automation.

Aptiva's Home Director lets you turn lights and appliances on and off automatically. So you can set up routines that give your house that lived-in look even when you're not home.

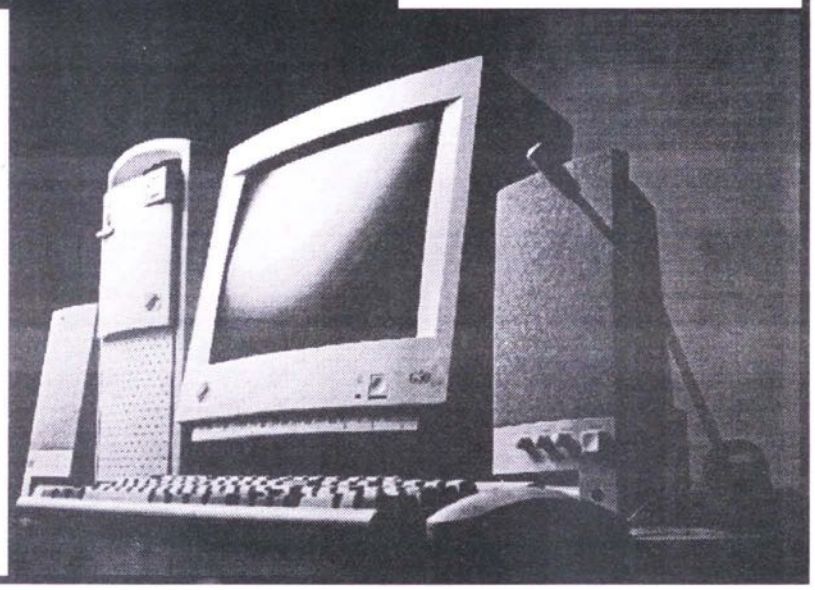
The Home Director Starter Kit is availabe on the Aptiva C3X. It includes instructions, software, one lamp module, one appliance module and one serial interface module (with cable).

NO ORDINARY home.

Take home an Aptiva from IBM and you're getting much more than an ordinary computer. With the latest technology and entertainment features it's the perfect PC for work or play.

IBM® Aptiva™

Buy any IBM Computer and don't pay for 6 months* O.A.C. See store for details



NOW AVAILABLE AT YOUR NEAREST AUTHORIZED RETAILER:

3J COMPUTERS
5305 Victoria Drive
VANCOUVER • 604-323-9859

DEXTON COMPUTERS
3112 Boundary Road
BURNABY • 604-433-9866

SOFTWARE ALLEY
1630 SE Marine Drive
VANCOUVER • 604-321-5499

PACIFIC OFFICE & THINGS
102-33255 South Fraserway
ABBOTSFORD • 604-853-5513

CABIN FEVER

NO ORDINARY style.

Multimedia Monitor
With speakers and a microphone built into the monitor, TheatreSound™ and a Wavetable Sound Card, your ears will be thrilled.

Hidden Tower
The mini tower can be stored up to six feet away from your desktop.

Internet Connection Phone
Lets you make phone calls to others over the Internet.[1]

Lots of Cool Software[4]
Here's just a little of it: Lotus SmartSuite 96®, VR Soccer,™ MechWarrior 2® and Jungle Book. Plus tools to help get you up and running.

Service and Support
IBM Online Housecall[2] and around-the-clock help.
2-year limited system board warranty.[3]

Total Image 3D™
Aptiva S Series with built-in 3D graphics for mind-blowing gaming action.

Stowaway Keyboard
When not in use, the slim keyboard fits neatly under the monitor and out of the way.

"Pop-up" Media Console
The CD-ROM, disk drives and power control are right at your fingertips.

IBM®

Aptiva™

Within 30 days of your purchase call 1-800-IBM-CALL ext 1500 with your 'S'uper selection

Choose from 'S'uper Year, 'S'uper Sound, 'S'uper Warranty, 'S'uper Talk or 'S'uper Learning

Buy any IBM Computer and don't pay for 6 months* O.A.C. See store for details

Cordless mouse on select models only.[1]Person you are calling must have the Internet Connection Phone software, plus sound card, speakers and microphone, but may use any Internet service provider. [2]Some fees may apply. [3]Aptiva system boards are covered for parts and labour during the first year. The next two years only system board parts are covered. Because some limitations may apply, check your sales manual or call 1-800-772-2227 to obtain a copy of IBM's limited warranty. [4]May differ from retail versions and may not include all documentation. IBM is a registered trademark and Aptiva, TheatreSound and Total Image 3D are trademarks of International Business Machines Corporation. All other company and/or product names are trademarks or registered trademarks of their respective companies. ©1996 IBM Corp. All rights reserved

IBM Business Partner Retailer

NOW AVAILABLE AT YOUR NEAREST AUTHORIZED RETAILER:

MS COMPUTECH
45610 Luckakuck Way
SARDIS • 604-858-8337

ATECH TECHNOLOGIES
3092 Cambie Street
VANCOUVER • 604-877-1812

MICRO BUSINESS SYSTEMS
110-7110 120th Street
SURREY • 604-572-8722

COMPU 2000
2811-2813 Kingsway
VANCOUVER • 604-436-2333

NETLINK COMPUTERS

5068-B Kingsway,(2 Blocks East of Metrotown Center) Burnaby, V5H 2E7
Tel: (604)451-8682 Fax: 451-8611 http://www.netci.com Email: info@netci.com
Hours: M-F: 9:30AM to 6:30PM, Saturday: 10:00AM to 5:30PM

System 1 (PCI)	System 2 (PCI)	System 3 (PCI)
Cyrix 6x86Processor-based Upgradable Systems		
6x86-120 (P150+) $1052	6x86-120 (P150+) $1452	6x86-120 (P150+) $1828
6x86-133 (P166+) $1118	6x86-133 (P166+) $1575	6x86-133 (P166+) $1893
Intel Pentium & Pentium Pro Processor-based Upgradable Systems		
P-120 Triton-VX $1030	P-120 Triton-VX $1433	P-120 Triton-HX $1808
P-133 **$1070**	P-133 **$1470**	P-133 **$1848**
P-150 Triton-VX $1158	P-150 Triton-VX $1558	P-150 Triton-HX $1933
P-166 Triton-VX $1303	P-166 Triton-VX $1708	P-166 Triton-HX $2082
MMX P-166 Triton-VX $1443	MMX P-166 Triton-VX $1848	MMX P-166 Triton-HX $2218
MMX P-200 Triton-VX $1760	MMX P-200 Triton-VX $2168	MMX P-200 Triton-HX $2535
	PRO-200 ATX $2353	PRO-200 ATX $2730
• 8MB 60ns EDO, 256K BurstCache	• 16MB 60ns EDO, 256K Burst Cache	• 32MB 60ns EDO, 256K Burst Cache
• 1.3GB EIDE hard drive, Mode 4	• 1.6/1.7GB EIDE hard drive, Mode 4	• 2.1GB EIDE hard drive, Mode 4
• 3.5" 1.44MB floppy disk drive	• 3.5" 1.44MB floppy disk drive	• 3.5" 1.44MB floppy disk drive
• PCI EIDE 2x16550UART	• PCI EIDE, 2x16550UART	• PCI EIDE, 2x16550UART
• Cirrus Logic 5446 PCI video card 1MB DRAM, *Full Screen MPEG*	• ATI *Video Boost* 1MB EDO exp. 2M *Full Screen MPEG*	• ATI 3D Xpression+ PC2TV 2MB SDRAM exp 4M, *Full Screen MPEG*
• 14" Monitor N.I.L.R, 1024x768, .28 dp	• 15" Monitor N.I.L.R, Digital Control 1280x1024, .28 dp	• 15" Monitor N.I.L.R, Digital Control 1280x1024, .28 dp
• 13" Mini-tower case 230W	• 15" Med-tower case 230W	• 17" *ATX*-tower case 230W CSA
• Logitech 2B Mini mouse	• Logitech 3B MouseMan	• Microsoft 2B Mouse (PS/2)
• 104 Windows 95 Keyboard	• 104 Windows 95 Keyboard	• 104 Windows 95 Keyboard
• *2* Year Parts and Labour Warranty	• *8X* EIDE CD-ROM Drive	• *12X* EIDE CD-ROM Drive
	• SoundBlaster 16 PnP *(Creative Lab)*	• SoundBlaster *16 PnP (Creative Lab)*
	• 60W Multimedia speakers	• 60W Multimedia speakers & MIC
	• *2* Year Parts and Labour Warranty	• *2* Year Parts and Labour Warranty
Options:	Options:	Options:
15" N.I. L.R. $89 16MB EDO $45	32MB EDO $95 2.1GB Hard drive $45	Matrox 2W $88 2.5/3.1GB HD $48/98
Multimedia 8x CD, SB16, Speaker $228	10X /12XCD-ROM Drive $18 /39	15" SONY SX $228 SB32 PnP $68

Win95 Full $125 NT Workstation 4.0 $268 MS Home (6 titles) $85 MS Nature K.B. $68 MS Office Pro 97 $439

SupraExpress 33.6 Voice Fax Modem Int. V.34 with 1 Month Full Internet Access, $118

Full Internet Access
Email address, Personal home page, no setup fee, 75 Hours
$17.95/month

For Latest System Price Please Try Out Our Instant Quotation Available at our store and http://www.netci.com

Best for Internet

ATX

March' 97 Specials!

Canon LBP-460 Laser Like 600dpi $349
IOMEGA Zip Drive IDE Int.(OEM) $199
IOMEGA Zip Drive Paralle/SCSI $255
IOMEGA Jaz 1G Ext.PC /Mac $638
Panasonic 4X /Pioneer 12X CD-ROM $78 /168
ATI 3D Xpression+ PC2TV 2MB SDRAM exp. 4MB $165
OptiQuest V775 .26 1600x1200 *$858*
EDO 8/16/32MB $48/95/185
KAO/SONY/Pioneer CDR 74 Min. $11.50

Tel: 451-8682 Fax: 451-8611 Email:info@netci.com Internet WWW: http://www.netci.com
(Notice: Please visit our web site or kingsway store for latest system price.)

MOTHER BOARD

M520 /530 Triton II 430VX 256K 75-200MHz 1 Dimm	$118/145
Shuttle Hot-557 Pentium 430VX 2 Dimms USB Ready	$149
QDI Explorer-II/LuckyStar w/ EIDE, high speed IO 256K Pipeline Burst Cache, Triton-II chipset, Flash BIOS	$148
ASUS P/I-P55T2P4 w/ EIDE, high speed IO AT Style 512K Pipeline Burst Cache,Triton II 430HX, Flash BIOS	*$199*
ASUS P/I-P55TVP4 w/ EIDE, high speed IO 256K Pipeline Burst Cache,Triton II, Flash 430VX	$175
ASUS P/I-P55T2P4 w/ EIDE, high speed IO ATX 256K Pipeline Burst Cache,Triton II, Flash 430HX	$195
TYAN TOMCAT III Dual Pentium Socket 7 512K Pipeline Burst Cache,Triton II, Flash, 8 RAM slots	$348
Intel Mari w/ EIDE, high speed IO 256K Burst Cache, Triton, II 430HX , Flash ATX Style	$178
Intel Venus Pentium Pro w/ EIDE, high speed IO 256K Burst Cache, ATX Style AMI Flash BIOS	$348

INTEL Pentium /MMX /PRO CPU

Pro-200	P120/133	P166	P200	MMXP166	MMX P200
$899	$168/Call	$448	$Call	$548	$899

AMD CPU

K5-P90	K5-P100	K5-133	6X133+	6X150+	6x166+
$98	$108	$138	$149	$159	$218

Cyrix/IBM CPU

RAM (Call 451-8682 for latest price)

4MB	4 EDO	8MB	8EDO	16MB	16 EDO	32MB	32 EDO
$29	$30	$45	$49	$98	$98	$195	$195

EIDE HARD DRIVES

WESTERN DIGITAL						
Western Digital	1.08GB	10ms	5200	64K	AC21000A	$call
Western Digital	**1.3 GB**	**10ms**	**5200**	**128K**	**AC21200A**	**$263**
Western Digital	**1.6 GB**	**10ms**	**5200**	**128K**	**AC21600**	**$278**
Western Digital	**2.1 GB**	**10ms**	**5200**	**128K**	**AC32100**	**$318**
Western Digital	**2.5 GB**	**10ms**	**5200**	**128K**	**AC32500**	**$355**
Western Digital	**3.1 GB**	**10ms**	**5200**	**128K**	**AC33100**	**$415**
Quantum						
Quantum	**2.1 GB**	**10ms**	**5400**	**128K**	**Fireball**	**$328**
Quantum	**2.5 GB**	**10ms**	**5400**	**128K**	**Sirocco**	**$355**
Quantum	3.2 GB	10ms	5400	128K	Sirocco	$385
Quantum	**3.8 GB**	**10ms**	**5400**	**128K**	**Sirocco**	**$429**
Seagate						
Seagate	1.28GB	12ms	3600	64k	ST31276A	$248
Seagate	**1.28GB**	**10.5ms**	**5400**	**128K**	**ST51270A**	**$255**
Seagate	**2.16GB**	**10ms**	**5400**	**256K**	**ST32140A**	**$379**
Maxtor						
Maxtor	1.3 GB	12ms	4480	128K	M71336A	$288
Maxtor	1.7 GB	12ms	4480	128K	M81750A	$289
Maxtor	**2.0 GB**	**12ms**	**4480**	**128K**	**M72004A**	**$355**

SCSI HARD DRIVES

Quantum	**2.1 GB**	**10ms**	**5400**	**128K**	**TM2160s**	**$448**
Seagate	1.08 GB	10ms	4500	128K	ST51080N	$348
Seagate	2.1 GB	10ms	5400	512K	ST32430W	$895

PRINTER /SCANNER/CAMERA

Canon	BJC-240 Color	$228
	BJC-4100 /4550 Color	$298 /589
	LBP460 Laser 600dpi	$339
EPSON	Stylus IIS / Stylus C500	$call
	Stylus Pro for PC & Mac	$530
	Photo PC Camera	$589
HEWLETT PACKARD	DeskJet 690C /820CXi/870CXi	428/548/688
	LaserJet 5L 600dpi 1MB	$545
	LaserJet 5P /5MP 600dpi	$1199/1389
	LaserJet 5 /6MP 600dpi	$1748/1230
	ScanJet 4S Serial /5P /4C	$278/538 /1189

MULTIMEDIA

Labtec LCS-2612 20W 3D Sound w/ Subwoofer	$148
YAMAHA M15 /M20 DSP Stereo SPK.	$89/105
M10H Subwoofer 25W	$139
CREATIVE SoundBlaster 16 PnP	$85
SoundBlaster 16 PnP 3D	$108
SoundBlaster 32 PnP OEM /Retail	$128 /178
SoundBlaster AWE64 PnP Full	$249
External CD-ROM Case IDE to Paralle Port	$99
Creative 8X EIDE CD-ROM	*$135*
Acer 12X /Pioneer 12X EIDE	$149 /175
Panasonic EIDE CD-ROM Int. 4X /8X /12X	$78/138/168

NETWORKS

CNET 16BIT /PCI 32Bit Combo (COAX &RJ-45)	$49/68
CNET 32BIT PCI 10/100mbps RJ45 Only	$79
3COM XL PCI 3C900 Combo (Retail)	$178
3C905 PCI Fast Link 10/100BaseT (OEM)	$138
D-Link 5-Port Hubby /CNet 8-Port Hub	$115/139
APC Back-UPS Pro PnP 280/420/650	$199/338/428

CONTROLLERS

16 bit Super I/O 2s,1p,1g w/16550x2	$18/$35
IOMEGA SCSI PCI 32bit Controller 50pin H/D	$128
SCSI ISA Adaptec 1522A /1542F	$89/279
SCSI PCI Adaptec 2940 /2940W	$248/318
SCSI PCI Adaptec 3940UW Multichannel	$589

KEYBOARD, MICE & CASE

BTC 104 Windows 95 Keyboard	$22
Fujitsu 8725 /4725 /Focus 2001	$38/59 /48
Liteon Win95 Natural K.B. with TouchPad	$85
Logitech 2B Mouse / 3B MouseMan	$22/35
Logitech Bus/TrackMan Combo Marble	$85/105
13" /15" /19" /24" AT Tower case	$49/59/79/125
17" /19" /24" ATX Tower case	$118/155/168

SOFTWARE

CorelXara for Windows 95	$249
MS Access V7.0 for Windows 95 Full /Up	$389/138
MS NT Server 4.0 Full /Up	$call
MS Exchange Server /w 5 Clients for NT 3.51	$1238
MS Office PRO 97 for Win95 (OEM)	$488
MS Plus 95 / Publisher 97	$68/95
MS SQL Server 6.0 for NT Full /Up	$1218/599

Tape Drive & Removable Storage

IOMEGA Zip Drive(OEM) IDE /Para.	$199/220
Zip Drive 100MB SCSI /Para.	$255/255
Jaz Drive 1G SCSI /Int.Ext.	$499/628
IOMEGA Jaz PC 1GB Disk	$125
Ditto Easy 2GB Int. /Ext.	$195/256
Ditto Easy 3200 Int. Ext.	$288/368
ISA Adaptec 1505 for SCSI Zip /PCI Jaz Jet SCSI	$58/129
Jaz Traveller Paralle Port to SCSI for Jaz Ext. Drive	$79
TAPE 3M 800MB /2.0GB /3.2GB	$39/31/49

MODEM

SupraExpress 33.6 V.34 Voice/Fax Int. PNP	$118
U.S.Robotics Sporster 33.6 Voice V.34 Int.	*$168*
Caller ID, smart ring, full d.p.	
USR Sporster 33.6 V.34 Fax/Data PnP Int. (OEM)	$155
USR Sporster 33.6 V.34 Voice Int./Ext. (Retail)	$218/249

VIDEO CARD

ATI 3D Xpression+ PC2TV 2M SDRAM	$165
3D Pro Turbo PC2TV 4MB SGRAM	$275
TV Tuner for 3D Xpression	$139
ATI Video Boost 1 MB EDO /2MB EDO	$89/108
ATI Mach64 Winturbo 2 /4MB VRAM	$278/489
ATI Graphic Pro Turbo 2 /4M VRAM	$299/499
DIAMOND Stealth 3D 2/4MB EDO	$148/178
Stealth 3D 2/4MB VRAM	$238/338
STB LightSpeed 2MB MDRAM 128Bit Digital Video	$184
MATROX MGA PCI Millenium 2 /4 WRAM	$239/348
PCI Mystique 2 /4 SGRAM	$189/248
TV Tuner /Media XL MPEG	$178 /419
S3 3D Virge 2MB EDO 3Games /4MB	$99/129
Cirrus 5446 64bit MPEG 1MB /2MB	$49/68
Trident 3D PC2TV Full MPEG1MB 3 Games /2MB	$95/115

MONITOR

ADI 15" 4V /17" 5V N.I. L.R.	$438/749
Proview N.I. L.R. .28 Digital 14" /15"	$249/338
Daytek N.I. L.R. .28 Digital 15" /17"	$368/770
Scepre 15" P51 17" P73/P73A	389/668/750
MAG DX15T 15" .25, Trinitron	$509
700T 17" .25 Trinitron	$968
OptiQuest V775 .26 1600x1280 /AcerView 76ie	$858 /768
SONY SONY 15" 100SX Super Fine .25	$548
SONY 17" 200SX /SF .25	$920/1198
NEC NEC 15XV+ /17XV+	$628/1098
NEC C500 /M500 15" N.I. L.R.	$548/$610
NEC M700 17"	$1068

OCLI Glare/Guard Screen Filter

Standar 500 (Hangers) 15" /17" /21"	$60/95/145
Maximum Plus (Wrap Around) 15" /17" /21"	$129/177/265

3D Micro 10
3J Computers 37
Able Computer Rentals 52
ACCA ACCESS Production Inc ...53
ACCO Computer 5
ADDAX Computers 35
AE Electronics Corp. 15
Aleuette Laser Products Inc. ...45
Anitec Computers 46
Arete Computers 18
Astel Enterprises Ltd. 28
ATIC Computer 33
B&C Computers 51
Beckman Computer 23
Benchmark Computers 24
Brother 48
Buy & Sell Press 52
CAAST 9
CE Computer Outlet 34
Cody Books Ltd 52
Data Recovery 52
Elitech System Ltd. 7
Faronics Technologies Inc. 59
Firefly 19
Games Lovers' Library 8
Golden Top Computer 21
Grifftax 22
IBM 56, 57
IC Technology 36
ICI Infowave 31
Imagi.Net 28,45
Instant Solutions 55
Interaction 49
Internet Direct 60
Internet Gateway 2, 29
Internet Light Speed 22
iStar 13
JRS Computers Inc. 42
Lynx Internet 44
M.Y.O.B. 11
Maple Oak Computers 32
Maximum Internet 39
MDI Telecom 37
Michael's 42
MindLink 16
Minitronics of Canada Ltd 52
MultiLink 20
Mycom Computers 39
N&K Computer Ltd. 49
Nantron systems Ltd 40
Netlink Computer Inc 58
Newton 48
Nicer Technology Inc. 26
NRI/McGraw Hill 30
Nu-Age Computers Plus 3
Oasis Computer Inc. 22
PC Connections 47
PC Galore 51
PC-Top Computers & Electronics .25
Power Comp 43
Real Identifacation 52
RPC Computer Electronics 38
Sceptre Technologies, Inc. ..27, 50
ScotiaMcleod 54
Strong Computers 26
Swap Meet Surrey 39
System-Pro Computers 44
Tangent Computers 36
The Word Factory 52
Tricera Computer Center 41
United Computer 51
Vancouver Toner Plus 23
Versatex 48
Zeven Enterprises Ltd. 8, 17

SPRING PRICE DROP

The Best Computer at the Best Price

MOBILE COMPUTING TO THE MAX

Faronics Speedbook

- Intel Pentium 133 TCP Package
- 16MB RAM expandable to 48MB
- 256KB Pipeline Burst Cache Level Two Cache
- Removable 12.1" TFT LCD Module
- 2MB Video Card & 16 Bit Sound Card
- Full Software MPEG Support
- Two Type II or One Type III; Microsoft Plug and Play Compliant PCMCIA
- 10X CD-ROM • 1.3GB Hard Drive
- 1.44MB Floppy Drive
- CD-ROM and Floppy Drive can be used at the same time
- Windows 95 Keyboard
- Glidepoint Mouse
- NiMH Battery with dual battery capability; Plugs into either CD or FDD Bay
- Infared Port, Serial Port, Parallel Port & External PS/2 Port
- MS Windows 95 OSR2 Release
- Targus Carrying Bag
- Beautiful Fit & Finish; Less than 3.2kgs.

Also available at leading Computer Stores

Solutions for Everyone

The Performer
Faronics 5166M32

- Intel Pentium 166 CPU
- 2.1GB Hard Drive
- 32MB EDO RAM
- Intel HX Chipset Mainboard w/512k PB Cache
- Flash Rom Bios
- Enhanced IDE Controller, Mode 4
- 2 High Speed Serial Ports & Enhanced Parallel Port
- 1.44MB Floppy Drive
- 12X CD-ROM
- ATI 3D Xpressions 2MB PCI Video Card 64 Bit
- * comes with Mech Warrior 2 & Wipeout
- Enhanced Windows 95 Keyboard
- Microsoft Mouse w/Pad
- Faronics Mini-Tower Case
- U.S. Robotics 33.6 Data/Fax Modem
- PnP 3D Surround Sound Card
- Labtec Amplified Speakers
- 15" Samsung Samtron Monitor NI, MPRI
- Microsoft Windows 95 OSR2 OEM w/CD
- Microsoft Encarta, Works, Money & Two Family CDs

Performance Price .....
$2,599.00 Lease for $91p/m

Upgrade to the MMX 166 ..... $99

Dream Machine
Faronics 5200MMX64

- Intel Pentium MMX 200 CPU
- 4.3 GB Hard Drive
- 64MB EDO RAM
- Intel HX Chipset Mainboard w/512k PB Cache
- Flash Rom Bios
- Enhanced IDE Controller, Mode 4
- 2 High Speed Serial Ports & Enhanced Parallel Port
- 1.44 MB Floppy Drive
- 16X CD-ROM
- Matrox Mystique 4MB Video Card w/Games
- Enhanced Windows 95 Keyboard
- Microsoft Mouse w/Pad
- Faronics Mid-Tower Case
- U.S. Robotics 33.6 Data/Fax Modem
- Creative Labs Soundblaster 64AWE w/Wavetable
- Labtec Amplified Speakers w/Subwoofer
- 17" Mag Innovision DX700T .25dpi Trinitron Tube
- Microsoft Windows 95 OSR2 OEM w/CD

The Dream can be yours for .....
$4,399.00 Lease for $154p/m

Home/Office
Complete Package

- Faronics 5133M16
- Intel Pentium 133 CPU
- 1.6GB Hard Drive
- 16MB EDO RAM
- Intel VX Chipset Main board w/512k PB Cache
- Flash Rom Bios
- Enhanced IDE Controller, Mode 4
- 2 High Speed Serial Ports & Enhanced Parallel Port
- 1.44MB Floppy Drive
- 8X CD-ROM
- 2MB PCI Video card 64 Bit
- Enhanced Windows 95 Keyboard
- Microsoft Mouse w/Pad
- Faronics Mini-Tower Case
- U.S. Robotics 33.6 Data/Fax Modem
- PnP 3D Surround Sound Card
- Labtec Amplified Speakers
- 14" Faronics Monitor NI, Low Radiation
- Microsoft Windows 95 OSR2 OEM w/CD
- Microsoft Encarta, Works, Money & Two Family CDs

This Unbeatable Family Package .....
$1,749.00

New Product: The LEO Databook

This Pentium Computer is a Compact Performer: It includes CD-Rom Drive, FDD, Video Card, Sound Card, RJ45 LAN, Two Serial Ports, Parallel Port, Game Port, PS/2 Port for Mouse, PS/2 Port for Keyboard, and a Motherboard capable of handling an Intel Pentium 166. ALL IN CASE OF 29cm x 24cm x 7cm!

- 2 year parts & labour Warranty with guaranteed 2 day turnaround!
- NO LEMON WARRANTY - If you have more than 2 problems within 6 months with your new Faronics computer, we'll replace the whole unit free.
- No payments for 90 days available oac
- All systems are Internet ready and receive free Internet access for one month with any systems purchase
- Customize the systems to any configuration - just call or fax 540-8179 for a quote
- All desktop systems come standard with 512k Cache - a big performance boost
- Faronics is proud to be authorized by:

DEALERS WANTED

Microsoft

HEWLETT PACKARD Authorized Reseller

intel

intel inside pentium PROCESSOR

Prices and Specifications Subject to Change without Notice

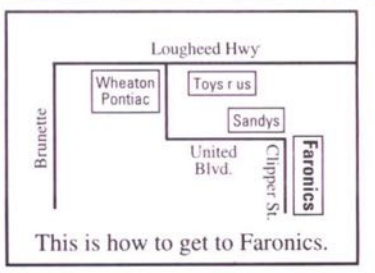
Faronics TECHNOLOGIES INC.

540-8199

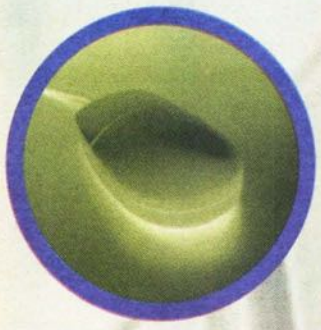
Check Out www.faronics.com

57A - 53 Clipper Street, Coquitlam, B.C. V3K 6X2
Hours: Mon. - Fri. 9-6; Sat. - Sun. 11-5

MasterCard VISA AMERICAN EXPRESS



This is how to get to Faronics.



SERVICE

SUPPORT

RELIABILITY

SPEED

Internet Access at 4¢ per hour*

For just $19.95 per month you can get over 520 hours of Internet Access per month (that's only 4¢ per hour*).

Internet Direct
www.direct.ca

Service Available in: Vancouver Lower Mainland, Victoria, Abbotsford, Nanaimo, Kelowna, Kamloops and Calgary

*Call Canada Internet Direct today to get activated, and we'll send you the necessary software at no charge including Microsoft Explorer™ 3.0 (rush delivery extra). Customer accepts Canada Internet Directs regular Terms and Conditions for service. The $0.04 per hour is based on our $19.95 service plan and the total number of available access hours for this plan. Service Rates vary with city center, call for pricing in your city. Offer may not be combined with any other offer. Prices listed are before applicable taxes. Canada Internet Direct is a provider of complete Internet solutions with Residential, Corporate, and Web Site Design & Development services. Canada Internet Direct is committed to providing you high quality service, support, reliability and speed.

Includes Microsoft® Internet Explorer

Call 602-1800 in Vancouver Or 1-800-232-4944 Outside the Lower Mainland